

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 31, 2004, 05:18:38 ; Search time 40.6513 Seconds
(without alignments)
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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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5	119.6	23.9	70000	4	US-09-851-836-3
6	116.6	23.3	397	4	US-09-621-976-11707
7	115.8	23.2	8220	4	US-09-797-908-3
8	115.6	23.1	84495	4	US-09-797-906-3
9	115.4	23.1	8285	4	US-09-732-025-3
10	115.4	23.1	11827	4	US-09-739-453-3
11	115.4	23.0	35564	4	US-09-734-673-3
12	113.4	22.7	343	4	US-09-621-976-12756
13	112.8	22.6	70000	4	US-09-851-836-3
14	112.4	22.5	341	4	US-09-621-976-13062
15	111.6	22.3	13011	1	US-08-310-356-36
16	111.6	22.3	19557	5	PCT-US92-06300-1
17	111.4	22.3	12668	4	US-09-369-247-42
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19	111.4	22.3	2099	4	US-09-308-828-5
20	111.4	22.3	14636	3	US-09-173-914-6
21	111.4	22.3	25464	4	US-09-326-480A-4
22	111.2	22.2	424	4	US-09-621-976-18032
23	111.2	22.2	64467	4	US-09-803-671B-3
24	111.2	22.2	246240	2	US-08-724-394A-20
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Sequence 7, Appli
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Sequence 10, Appl
Sequence 3, Appli
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Sequence 21, Appl

ALIGNMENTS

RESULT 1

US-09-564-805-28
; Sequence 28, Application US/09564805
; Patent No. 633403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; FILE REFERENCE: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
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; SEQ ID NO 28
; LENGTH: 26664
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
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; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
; NAME/KEY: misc feature
; LOCATION: (13756)..(22917)
; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
; OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
; OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
; OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
; NAME/KEY: misc feature
; LOCATION: (23045)..(26452)
; OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
; OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
; OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
; OTHER INFORMATION: signal: 26447-26452
; NAME/KEY: variation
; LOCATION: (826)..(23879)
; OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
; OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
; OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at
; OTHER INFORMATION: positions 22211 and 23879 is A or G.

US-09-851-896-3/c

237 CTTACAGCGCTCCCAAGTAGCTGGGACTACAGGGCGCCACCAACCAC 279

US-09-851-896-3/c


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; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 11827
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(11827)
; OTHER INFORMATION: n = A,T,C or G
US-09-739-455-3

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Matches 146; Conservative 0; Mismatches 51;

QY 147 CTATCTTCCTGCTTTTCCAAAAACACTACAAATTTTGTGTTTGTGTTTGTGTTTGT 206
DB 2129 CTTTTCCTCTTTTTTTTGAATCTTTTTCAGCAAGTAGTTCGTTGTGTGTTGTTGTTG 2188

QY 207 AGACAGGGCTCGAGGTGTGTCACCAGGCTGGAGTCAGTGGCGGCAATTCGACTCACGCC 266
DB 2189 AGACAGGGCTGGCTCTGTCACCCAGGCTGGAGTGCAGTGGCGCAATTCAGGCTACTGC 2248

QY 267 AACCTCGGCTCGCGCTTAAAGCGATTCTCTGCTCTCAGCCTCCCAAGTAGCTGGGACTA 326
DB 2249 AACCTCTGCTCCGGCTCAAGGATCCTCTACCTACGCTCCCAAGTAGCTGGGACAA 2308

QY 327 CAAGCTCGGGACACCAC 343
DB 2309 CAGGCTCATGTCACCAC 2325

RESULT 11
US-09-734-673-3
; Sequence 3, Application US/09734673
; Patent No. 6410294
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001020
; CURRENT APPLICATION NUMBER: US/09/734,673
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 38564
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(38564)
; OTHER INFORMATION: n = A,T,C or G
US-09-734-673-3

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Matches 177; Conservative 0; Mismatches 85; Indels 1; Gaps 1;

QY 127 CTTGCTTTAGAGCTTGCTCTATTCTTGCTTTTCTTTCCAAAAACACTACAATTTTGTG 186
DB 32822 CTTCCCTTCCTTTTCTTCCTCCCTCTCTTTCTTTTCCTTCCTTCCTTCCTTCCTTC 32881

QY 187 TTTTGTGTTTGTGTTTGTGTTTTCAGACAGGGTCTCGAGGTGTCACCCAGGCTGGAGTCAGTG 246
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QY 247 GCGGATTCGACTCACCGCAACTCCGGCT -CGCGCTTAAGCGATTCCTCTGCTCAG 305
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Dd	33062	AATAGAGATCAGGTTTCACCATG 33084	

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RESULT 12
US-09-621-976-12756/c
; Sequence 12756, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.Y.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 12756
; LENGTH: 343
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-12756

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Qy	181	TTTTTGTGTTTTGTTTTGTTTGTGAGACAGGGTCTCGAGGTGTCAACCCAGGCTGGAGT	240	
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Qy	241	GCAGTGGCGGATTTTCGACTACGCGAACCTTCGCTCCGGCTT-TAAGCATTTCTCTGT	299	
Db	282	GCAGTGGCGGATCCCGGCTCACTGCAACCTTCCGCTCCAGGTTCAAGCGATTCTTCTG	223	
Qy	300	CCTCAGCCTCCCAAGTAGCTGGGACTACAAGCTCGGGACACCGATGAATAATGATCAAGT	359	
Db	222	CCTCAGTCTCCCAAGTAGCTGGGACTACAGGGCGGTGCCACCGCTGGCTAATTTGT	163	
Qy	360	TCT	362	
Db	162	TTT	160	

RESULT 13
US-09-851-896-3
; Sequence 3, Application US/09851896
; Patent No. 6410325
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Susan M. Freier
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP VI (CA2+-INDEPENDENT
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: RTS-0220
; CURRENT APPLICATION NUMBER: US/09/851,896
; CURRENT FILING DATE: 2001-05-08
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 3
; LENGTH: 70000
; TYPE: DNA
; ORGANISM: Homo sapiens
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US-09-851-896-3
Query Match 22.6%; Score 112.8; DB 4; Length 70000;

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Best Local Similarity 77.6%; Pred. No. 4.8e-23;
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QY 154 TGCTTTTCTTTCCAAAAACACACACAAATTTTCTTTGTTTGTGTTTGTGTTGTTGAGACAGG 213
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Db 13501 GTCTCGCTCTGTCCACCCAGGCTGGAGTACAGTGACGCGATCTCGGTTTACTGCAAGCTCC 13560
QY 274 GCCTCGCGGCTT-AAAGCGATTCTCCTGCTCCAGCTCCCAAGTAGCTGGAGTACAAAGCT 332
Db 13561 GCCTCCAGGTTACGCCATTTCTTCTGCTCAGCTCCCAAGTAGCTGGAGTACAGGCA 13620
QY 333 CGGACACACACG 344
Db 13621 CCCGCCACACG 13632

RESULT 14
US-09-621-976-13062/c
; Sequence 13062, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S. J.Y.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 13062
; LENGTH: 341
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-13062

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Best Local Similarity 79.7%; Pred. No. 5.2e-24;
Matches 145; Conservative 0; Mismatches 36; Indels 1; Gaps 1;

QY 182 TTTTGTGTTTGTGTTGTTTGTGTTTGTGAGACAGGCTCTCGAGGTGTCAACCCAGGCTGGAGTG 241
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QY 242 CAGTGGCGGATTTTGAGTCTACCGCAACTTCGCTCCGCGCTT-AAAGGATTTCTCTGC 300
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QY 301 CTGAGCTCCCAAGTAGCTGGGACTACAGTCTGGGACACACAGCTAAATAATCATCAAGTT 360
Db 221 CTGAGTCTCCCAAGTAGCTGGGACTACAGTCTGGGACACACAGCTAAATAATTTGTT 162
QY 361 CT 362
Db 161 TT 160

RESULT 15
US-08-310-356-36
; Sequence 36, Application US/08310356
; Patent No. 5648243
; GENERAL INFORMATION:
; APPLICANT: Hurwitz, David R
; APPLICANT: Nathan, Margaret
; APPLICANT: Shani, Moshe
; TITLE OF INVENTION: Transgenic Protein Production
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rhone-Poulenc Rorer Legal Department

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OTHER INFORMATION: /number= 15
FEATURE:
NAME/KEY: 3'UTR
LOCATION: 17742..18697
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1737..1775
PUBLICATION INFORMATION:
AUTHORS: Minghetti, P P
AUTHORS: Ruffner, D E
AUTHORS: Kuang, W-J
AUTHORS: Dennison, O E
AUTHORS: Hawkins, J W
AUTHORS: Beattie, W G
AUTHORS: Dugaiczky, A
TITLE: MOLECULAR STRUCTURE OF THE HUMAN ALBUMIN
TITLE: GENE IS REVEALED BY NUCLEOTIDE SEQUENCE WITHIN
JOURNAL: J. Biol. Chem.
VOLUME: 261
PAGES: 6747-6757
DATE: 1986
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Db 3038 TTAATTTTTTTTTTTTTTTTAAAGACAGGGTCTCGCTCTGTGCGCCAGGCTGGAGTGCAGTG 3097
Qy 247 GCGGATTTGACTCACCAGCAACTCGCCCTCGCGCTTAAGCGATTCTCCTGCTCAGC 306
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GenCore version 5.1.6
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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C 35	118.4	23.7	17752	9	US-09-748-127-3
C 36	118.4	23.7	17752	13	US-10-669-693-3
C 37	118.4	23.7	45237	9	US-09-933-267A-1
C 38	118.2	23.6	5159	9	US-09-764-877-3707
C 39	118.2	23.6	5159	16	US-10-242-515-3707
C 40	118.2	23.6	5441	16	US-10-242-355-701
C 41	118.2	23.6	6834	10	US-09-764-891-8002
C 42	118.2	23.6	6834	15	US-10-091-438-263
C 43	118	23.6	1115	10	US-09-764-872-943
C 44	118	23.6	1115	10	US-09-764-872-944
C 45	118	23.6	41454	13	US-10-087-192-1642

ALIGNMENTS

RESULT 1
US-09-988-626-28
; Sequence 28, Application US/09988626
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
; LENGTH: 26664
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (910)..(13104)
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
; NAME/KEY: misc feature
; LOCATION: (13756)..(22917)

OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon 13: 16278-16416; exon 14: 16498-16583; exon 15: 18583-18701; exon 16: 20349-20445; exon 17: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon 21: 23973-24093; exon 22: 24354-24432; exon 23: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at positions 1914, 5568, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at positions 22211 and 23879 is A or G.
US-09-988-626-28
Query Match 100.0%; Score 500; DB 10; Length 26664;
Best Local Similarity 100.0%; Pred. No. 1.9e-133;
Matches 500; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TATCAGTGACTGAATTCCTATATCTGAAGTAGGAGATCTGTTATGCTGTTATTACAT 60
DB 1 TATCAGTGACTGAATTCCTATATCTGAAGTAGGAGATCTGTTATGCTGTTATTACAT 60
QY 61 TTTTACATAAAGAAAGCTGAGGCTCTGAGAGGTCAGATCAGCAGCTAACAAATGAGCC 120
DB 61 TTTTACATAAAGAAAGCTGAGGCTCTGAGAGGTCAGATCAGCAGCTAACAAATGAGCC 120
QY 121 AAGACTCTTGCTTTAGAGCTTGCTCTATCTTGCTTTTCTTCCAAAAACACTACAA 180
DB 121 AAGACTCTTGCTTTAGAGCTTGCTCTATCTTGCTTTTCTTCCAAAAACACTACAA 180
QY 181 TTTTGTGTTGTTTGTGTTTGTGTTGTTGAGACAGAGGCTCTCGAGGTGTCAACAGGCTGAGT 240
DB 181 TTTTGTGTTGTTTGTGTTTGTGTTGTTGAGACAGAGGCTCTCGAGGTGTCAACAGGCTGAGT 240
QY 241 GCAGTGGCGGATTCGACTCACCGAACCTCCGCTCCGCGCTTAAAGCAATCTCTCTGC 300
DB 241 GCAGTGGCGGATTCGACTCACCGAACCTCCGCTCCGCGCTTAAAGCAATCTCTCTGC 300
QY 301 CTCAGCTCCCAAGTAGCTGGGACTACAAGCTCGGGACACACAGCTAAATAATGATCAAGTT 360
DB 301 CTCAGCTCCCAAGTAGCTGGGACTACAAGCTCGGGACACACAGCTAAATAATGATCAAGTT 360
QY 421 CTCAAATCAATGATTCCTCAATTAATCTTCAACAACTCAACAACTCAACTC 480
DB 421 CTCAAATCAATGATTCCTCAATTAATCTTCAACAACTCAACAACTCAACTC 480
QY 481 AAGCTCTGAGGAGTACGCT 500
DB 481 AAGCTCTGAGGAGTACGCT 500

RESULT 2
US-09-988-687-28
Sequence 28 Application US/09988687
Publication No. US20030045704A1
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Remmens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: 17p-Linked Prostate Cancer Susceptibility Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988, 687

CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564, 805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107, 468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434, 382
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 26664
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (910)..(13104)
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3: 1925-1995; exon 4: 3025-3059; exon 5: 4361-4418;
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8: 8186-8244; exon 9: 12878-12936; exon 10: 13032-13104;
NAME/KEY: misc feature
LOCATION: (13756)..(22917)
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon 13: 16278-16416; exon 14: 16498-16583; exon 15: 18583-18701; exon 16: 20349-20445; exon 17: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon 21: 23973-24093; exon 22: 24354-24432; exon 23: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at positions 1914, 5568, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at positions 22211 and 23879 is A or G.
US-09-988-687-28

Query Match 100.0%; Score 500; DB 10; Length 26664;
Best Local Similarity 100.0%; Pred. No. 1.9e-133;
Matches 500; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TATCAGTGACTGAATTCCTATATCTGAAGTAGGAGATCTGTTATGCTGTTATTACAT 60
DB 1 TATCAGTGACTGAATTCCTATATCTGAAGTAGGAGATCTGTTATGCTGTTATTACAT 60
QY 61 TTTTACATAAAGAAAGCTGAGGCTCTGAGAGGTCAGATCAGCAGCTAACAAATGAGCC 120
DB 61 TTTTACATAAAGAAAGCTGAGGCTCTGAGAGGTCAGATCAGCAGCTAACAAATGAGCC 120
QY 121 AAGACTCTTGCTTTAGAGCTTGCTCTATCTTGCTTTTCTTCCAAAAACACTACAA 180
DB 121 AAGACTCTTGCTTTAGAGCTTGCTCTATCTTGCTTTTCTTCCAAAAACACTACAA 180
QY 181 TTTTGTGTTGTTTGTGTTTGTGTTGTTGAGACAGAGGCTCTCGAGGTGTCAACAGGCTGAGT 240
DB 181 TTTTGTGTTGTTTGTGTTTGTGTTGTTGAGACAGAGGCTCTCGAGGTGTCAACAGGCTGAGT 240
QY 241 GCAGTGGCGGATTCGACTCACCGAACCTCCGCTCCGCGCTTAAAGCAATCTCTCTGC 300
DB 241 GCAGTGGCGGATTCGACTCACCGAACCTCCGCTCCGCGCTTAAAGCAATCTCTCTGC 300
QY 301 CTCAGCTCCCAAGTAGCTGGGACTACAAGCTCGGGACACACAGCTAAATAATGATCAAGTT 360
DB 301 CTCAGCTCCCAAGTAGCTGGGACTACAAGCTCGGGACACACAGCTAAATAATGATCAAGTT 360
QY 361 CTAAATCAATGATTCCTCAATTAATCTTCAACAACTCAACAACTCAACTC 420
DB 361 CTAAATCAATGATTCCTCAATTAATCTTCAACAACTCAACAACTCAACTC 420

Query Match	100.0%	Score 500;	DB 10;	Length 26654;
Best Local Similarity	100.0%;	Pred. No. 1.9e-133;		
Matches 500;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0

QY	1	TATCAGGTGACTGAATCTTATATCTGAAGTAGAGATACTGTTATTGCTGTTATTACAT	60
Db	1	TATCAGGTGACTGAATCTTATATCTGAAGTAGAGATACTGTTATTGCTGTTATTACAT	60
QY	61	TTTACACATAAGAAGCTGAGGCTCTGAGAGGTCAGAGATCACGACGCTAACAAATGAGCC	120

	Query Match	25.2%	Score 126.2	DB 13	Length 350764
	Best Local Similarity	86.3%	Pred. No. 2.2e-24		
	Matches 151	Conservative 0	Mismatches 23	Indels 1	Gaps 1
QY	181	TTTTTGTGTTTGTGTTTGTGTTTGTGACAGAGGTCTCGAGGTCTCACCCAGGCTGGAGT	240		
Db	147704	TTTTTGTGTTTGTGTTTGTGTTTGTGACAGAGTCTCGTCTCTCACCCAGGCTGGAGT	147645		
QY	241	GCAGTGGCGGATTTTCGACTCACGGCAACCTCCGCTCC-GCGCTTAAGCGATTCTCTCG	299		
Db	147644	GCAGTGGCGAGATCTCGGCTCACTGCAACCTCCAACTCCTGGGTTCAGCGATTCTCTCG	147585		
QY	300	CCTCAGCCTCCCAAGTAGCTGGGACTACAAGTCTGGGACACCAAGTAAATGAT	354		
Db	147584	CCTCAGCCTCCCAAGTAGCTGGGACTACAGGACGCGCCACCAATGCGCACTGAT	147530		


```
Db 407 GCACCTCCACCTCCCGAGGTTCAAGGATTCCTCGCTCCAGCTCCCGAGTAGTGGA 348
Qy 324 CTACAGCTCGGACACACCGTAAATAATGAT 354
Db 347 CTACAGTGCCTGCCACACCGCGGAGCTGAT 317
```

RESULT 8

US-10-027-632-191961/c

Sequence 191961, Application US/10027632

Publication No. US20030204075A9

GENERAL INFORMATION:

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

TITLE OF INVENTION: Polymorphisms in the Human Genome

FILE REFERENCE: 108827.129

CURRENT APPLICATION NUMBER: US/10/027,632

PRIOR FILING DATE: 2002-04-30

PRIOR APPLICATION NUMBER: US 60/218,006

PRIOR FILING DATE: 2000-07-12

PRIOR APPLICATION NUMBER: US 60/198,676

PRIOR FILING DATE: 2000-04-20

PRIOR APPLICATION NUMBER: US 60/193,483

PRIOR FILING DATE: 2000-03-29

PRIOR APPLICATION NUMBER: US 60/185,218

PRIOR FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: US 60/167,363

PRIOR FILING DATE: 1999-11-23

PRIOR APPLICATION NUMBER: US 60/156,358

PRIOR FILING DATE: 1999-09-28

PRIOR APPLICATION NUMBER: US 60/146,002

PRIOR FILING DATE: 1999-08-09

NUMBER OF SEQ ID NOS: 325720

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 191961

LENGTH: 650

TYPE: DNA

ORGANISM: Human

US-10-027-632-191961

Query Match 24.4%; Score 121.8; DB 16; Length 650;
Best Local Similarity 76.3%; Pred. No. 1e-24; Indels 1; Gaps 1;
Matches 161; Conservative 1; Mismatches 48;

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Qy 145 CTCTATTCCTGCTTTTCTTCCAAAAACACTACAAATTTTGTGTTTGTGTTT 204
Db 527 CTCCTTTCTGGGCAATGACCAAGTAGTTTATTTATTTATTTTGTGTTT 468
Qy 205 TGAGACAGGCTCGAGGTGTCACCCAGCTGGAGTGCAGTGGCGCGATTTCGACTACC 264
Db 467 TGAGATGGAGTCTCACTCTGTCCACCCAGGCTGGAGTGCAGTGGCACCATTCTYAGCTCACT 408
Qy 265 GCAACCTCCGCTCCGCGCTT-AAAGGATTCCTCGCTCAGCTCCCAAGTAGCTGGA 323
Db 407 GCAACCTCCACTCCAGGTTCAGCGATTCTCTGCTTCAGCTCCCGAGTAGCTGGA 348
Qy 324 CTACAGCTCGGACACACCGTAAATAATGAT 354
Db 347 CTACAGTGCCTGCCACACCGCGGAGCTGAT 317
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RESULT 9

US-10-322-281-718/c

Sequence 718, Application US/1032281

Publication No. US20040126762A1

GENERAL INFORMATION:

APPLICANT: David W. Morris

APPLICANT: Marc S. Malandro

TITLE OF INVENTION: Novel Compositions and Methods in Cancer

FILE REFERENCE: 529452001000

CURRENT APPLICATION NUMBER: US/10/322,281

CURRENT FILING DATE: 2002-12-17

NUMBER OF SEQ ID NOS: 866
SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 718

LENGTH: 44063

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc_feature

LOCATION: (1)...(44063)

OTHER INFORMATION: n = A,T,C or G

US-10-322-281-718

Query Match 24.4%; Score 121.8; DB 17; Length 44063;
Best Local Similarity 71.9%; Pred. No. 1.2e-23;
Matches 159; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

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Qy 124 ACTCTTGCTTTAGAGCTTGCTCTATTCTTGCTTTTCTTCCAAAAACACTACAAATTT 183
Db 2236 ACTTTTAAAGTTCTAATAGTACTGTCTCAGATGACCTCCCTTCATATAACCAACTT 2177
Qy 184 TTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTT 243
Db 2176 TTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTT 2117
Qy 244 GTGGCGGATTTCGACTCAGCGCAACCTCGCTCCGCGCTTAAGCGATTCTCTGCTC 303
Db 2116 GTGGCTGATCTCTGCTCACTCAACTTCCGCTCCAGCTCAAGCAATTTCTCTGCTTC 2057
Qy 304 AGCTCCCAAGTAGCTGGGACTCAAGCTCGGACACACG 344
Db 2056 AGCTCTCAAGTAGCTGGGACTACAGTGCATGCTACCATG 2016
```

RESULT 10

US-09-939-581A-3

Sequence 3, Application US/09939581A

Patent No. US20020102245A1

GENERAL INFORMATION:

APPLICANT: Heilmaking, Heiko

APPLICANT: Vogelstein, Bert

APPLICANT: Kinzler, Kenneth

TITLE OF INVENTION: 14-3-3 SIGMA ARREST THE CELL CYCLE

FILE REFERENCE: 1107.77810

CURRENT APPLICATION NUMBER: US/09/939,581A

PRIOR FILING DATE: 2001-08-28

PRIOR APPLICATION NUMBER: 09/210,748

PRIOR FILING DATE: 1998-12-15

NUMBER OF SEQ ID NOS: 18

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 3

LENGTH: 7680

TYPE: DNA

ORGANISM: Homo sapiens

US-09-939-581A-3

Query Match 24.1%; Score 120.4; DB 9; Length 7680;
Best Local Similarity 74.3%; Pred. No. 1.1e-23;
Matches 165; Conservative 0; Mismatches 56; Indels 1; Gaps 1;

```
Qy 124 ACTCTTGCTTTAGAGCTTGCTCTATTCTTGCTTTTCTTCCAAAAACACTACAAATTT 183
Db 5886 AGTCTGATCCAAAGATACCTAGTCTATTCTGTATCTCATAGACAAACAATATATCAC 5945
Qy 184 TTCTTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTT 243
Db 5946 TTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTT 6005
Qy 244 GTGGCGGATTTCGACTCAACCGCAACCTCGGCT-CCGCGCTTAAGCGATTCTCTGCTC 302
Db 6006 GTGGCGGCAATCTCGGCTCACTGCAAGTCCGCTCCCGGTTCAAGCGATTCTCTGCTC 6065
Qy 303 CAGCTTCCCAAGTAGCTGGGACTACAAAGCTCGGACACACG 344
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Db 6066 CAGCCTCCGAGTAGTGGGACTACAGGCATGTGCCACCATG 6107

RESULT 11

US-09-771-357-102
; Sequence 102, Application US/09771357
; Publication No. US20030017454A1
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: SUKUMAR, Saraswati
; APPLICANT: EVRON, Ella
; APPLICANT: DOOLEY, William
; APPLICANT: DAVIDSON, Nancy
; TITLE OF INVENTION: ABERRANTLY METHYLATED GENES AS MARKERS OF BREAST MALIGNANCY
; FILE REFERENCE: JHU1630
; CURRENT FILING DATE: 2001-01-26
; CURRENT APPLICATION NUMBER: US/09/771.357
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 102
; LENGTH: 10034
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-771-357-102

Query Match 24.1%; Score 120.4; DB 13; Length 10034;

Best Local Similarity 74.3%; Pred. No. 1.3e-23;
Matches 165; Conservative 0; Mismatches 56; Indels 1; Gaps 1;

QY 124 ACTCTTGCTTTAGAGCTTGCTCTATTCTTGCTTTTTCCTCAAAAACACTACAAATT 183
Db 5886 AGTCTGATCCAAAGATACTAGTCTATTCTGTATCTCATAGACAAACATATATTCAC 5945
QY 184 TTGTTTGTGTTTGTGTTTGTGAGACAGGCTCTCGAGGTGCACCCAGGCTGGAGTGCA 243
Db 5946 TTTTGTGTTGTTTGTGTTTGTGAGACGAGTCTTGCTCTGTACCCAGGCTGGAGTGCA 6005
QY 244 GTGGCGGCAATTCGACTCAGCAACCTCGGCTT-CGGCGCTTAAGCGATTCTCTGCT 302
Db 6006 GTGGCGCAATTCGCTCAGTCAAGCTCGCTCCCGGTTCAAGCGATTCTCTGCT 6065
QY 303 CAGCTCCCAAGTAGTGGGACTACAAAGCTCGGACACCAACG 344
Db 6066 CAGCCTCCGAGTAGTGGGACTACAGGCATGTGCCACCATG 6107

RESULT 12

US-10-059-579-102
; Sequence 102, Application US/10059579
; Publication No. US20030138783A1
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: SUKUMAR, Saraswati
; APPLICANT: EVRON, Ella
; APPLICANT: DOOLEY, William C.
; APPLICANT: DAVIDSON, Nancy
; APPLICANT: FACKLER, Mary Jo.
; TITLE OF INVENTION: ABERRANTLY METHYLATED GENES AS MARKERS OF BREAST MALIGNANCY
; FILE REFERENCE: JHU1630-1
; CURRENT APPLICATION NUMBER: US/10/059,579
; CURRENT FILING DATE: 2003-02-03
; PRIOR APPLICATION NUMBER: US 09/771.357
; PRIOR FILING DATE: 2001-01-26
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 102
; LENGTH: 10034
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-059-579-102

Query Match 24.1%; Score 120.4; DB 15; Length 10034;
Best Local Similarity 74.3%; Pred. No. 1.3e-23;

Matches 165; Conservative 0; Mismatches 56; Indels 1; Gaps 1;
QY 124 ACTCTTGCTTTAGAGCTTGCTCTATTCTTGCTTTTTCCTCAAAAACACTACAAATT 183
Db 5886 AGTCTGATCCAAAGATACTAGTCTATTCTGTATCTCATAGACAAACATATATTCAC 5945
QY 184 TTGTTTGTGTTTGTGTTTGTGAGACAGGCTCTCGAGGTGCACCCAGGCTGGAGTGCA 243
Db 5946 TTTTGTGTTGTTTGTGTTTGTGAGACGAGTCTTGCTCTGTACCCAGGCTGGAGTGCA 6005
QY 244 GTGGCGGCAATTCGACTCAGCAACCTCGGCTT-CGGCGCTTAAGCGATTCTCTGCT 302
Db 6006 GTGGCGCAATTCGCTCAGTCAAGCTCGCTCCCGGTTCAAGCGATTCTCTGCT 6065
QY 303 CAGCTCCCAAGTAGTGGGACTACAAAGCTCGGACACCAACG 344
Db 6066 CAGCCTCCGAGTAGTGGGACTACAGGCATGTGCCACCATG 6107

RESULT 13

US-09-795-668-1
; Sequence 1, Application US/09795668
; Patent No. US20020045577A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Hreinn
; APPLICANT: Steinhofsdottir, Valgerdur
; APPLICANT: Guicher, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2004-001
; CURRENT APPLICATION NUMBER: US/09/795,668
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,716
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1503841
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: r-g or a
; NAME/KEY: misc feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: y-t/u or c
; NAME/KEY: misc feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: m-a or c
; NAME/KEY: misc feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: k-g or t/u
; NAME/KEY: misc feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: s-g or c
; NAME/KEY: misc feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: w-a or t/u
; NAME/KEY: misc feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: b-g or c or t/u
; NAME/KEY: misc feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: d-a or g or t/u
; NAME/KEY: misc feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: n-a or c or t/u
; NAME/KEY: misc feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: v-a or g or c
; NAME/KEY: misc feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: n-a or g or c or t/u

US-09-795-686-1

	Query Match	24.0%;	Score 120;	DB 9;	Length 1503841;	
	Best Local Similarity	82.8%;	Pred. No. 3.2e-22;			
	Matches 149;	Conservative	0;	Mismatches -30;	Indels	Gaps 1;
QY	166	CAAAAACACTACAATTTTGTGTTTTGTTTTGTTTTGTTTCAGACACAGGCTCGAGGTGT	225			
Db	532365	CACGAAAACTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCAGACGGAGTCTCGCTCTGT	532424			
QY	226	CACCCAGGTGGAGTGCACTGCAGCGCGGATTTCGACTCACGCCAACCTCGGCTCCGGGCTT	285			
Db	532425	CGCCCAGGTGGAGTGCACTGCAGCGCGGATCTCGGCTCAGTCAAGTCTCGGCTTCGGGGTT	532484			
QY	286	-AAGCGATTCTCGTGGCTCAGGCTCCCAAGTAGCTGGGACTACAAGCTCGGGACACCAACG	344			
Db	532485	CACGCCATTCTCCTGCCTCAGGCTCCCAAGTAGCTGGGACTACAAGGGCCCCGACCTACG	532544			

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RESULT 14
US-09-795-686-1
// Sequence 1, Application US/09795686
// Patent No. US20020094954A1
// GENERAL INFORMATION:
// APPLICANT: Stefansson, Hreinn
// APPLICANT: Steinhorsdottir, Valgerdur
// APPLICANT: Guinther, Jeffrey R.
// TITLE OF INVENTION: HUMAN SCHIZOPHRENIA G
// FILE REFERENCE: 2345.2005-001
// CURRENT APPLICATION NUMBER: US/09/795,686
// CURRENT FILING DATE: 2001-02-28
// PRIOR APPLICATION NUMBER: US 09/515,715
// PRIOR FILING DATE: 2000-02-28
// NUMBER OF SEQ ID NOS: 1531
// SOFTWARE: FastSeq for Windows Version 4.0.1
// SEQ ID NO 1
// LENGTH: 1503841
// TYPE: DNA
// ORGANISM: Homo sapiens
// FEATURE:
// NAME/KEY: misc feature
// LOCATION: (1)..(1531)
// OTHER INFORMATION: r=g or a
// NAME/KEY: misc feature
// LOCATION: (1)..(1531)
// OTHER INFORMATION: y=t/u or c
// NAME/KEY: misc feature
// LOCATION: (1)..(1531)
// OTHER INFORMATION: m=a or c
// NAME/KEY: misc feature
// LOCATION: (1)..(1531)
// OTHER INFORMATION: k=g or t/u
// NAME/KEY: misc feature
// LOCATION: (1)..(1531)
// OTHER INFORMATION: s=g or c
// NAME/KEY: misc feature
// LOCATION: (1)..(1531)
// OTHER INFORMATION: w=a or t/u
// NAME/KEY: misc feature
// LOCATION: (1)..(1531)
// OTHER INFORMATION: b=g or c or t/u
// NAME/KEY: misc feature
// LOCATION: (1)..(1531)
// OTHER INFORMATION: d=a or g or t/u
// NAME/KEY: misc feature
// LOCATION: (1)..(1531)
// OTHER INFORMATION: h=a or c or t/u
// NAME/KEY: misc feature
// LOCATION: (1)..(1531)
// OTHER INFORMATION: v=a or g or c
// NAME/KEY: misc feature
// LOCATION: (1)..(1531)
// OTHER INFORMATION: n=a or g or c or t/u

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	Query Match	24.0%	Score 120;	DB 9;	Length 1503841;
	Best Local Similarity	82.8%;	Pred. No. 3.2e-22;		
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Db	532365	CAGAGAAACTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCAGACGGAGTCTCGCTCTGT	532424		
QY	226	CACCCAGGCTGGAGTGCAGTGGCGCGGATTCGACTCACCGCAAACCTCCGCGCTCCGCGGTT	285		
Db	532425	CGCCAGGCTGGAGTGCAGTGGCGGGATCTCGGTCTACTGCAGGCTCCGCCCTCCGGGGTT	532484		
QY	286	-AGCGGATTCCTCGCTCAGCTCCCAAGTAGCTGGAGCTACAAGCTCGGGACACCCACG	344		
Db	532485	CAGCCATTCCTCGCTCAGCTCCCAAGTAGCTGGAGCTACAGGGCCCGGACTACG	532544		

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RESULT 15
US-09-946-807-1
  Sequence 1, Application US/09946807
  Patent No. US20020165144A1
  GENERAL INFORMATION:
  APPLICANT: Stefansson, Hreinn
  APPLICANT: Steinthorsdottir, Valgerdur
  APPLICANT: Gulcher, Jeffrey R.
  TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
  FILE REFERENCE: 2345.2004-001
  CURRENT APPLICATION NUMBER: US/09/946,807
  CURRENT FILING DATE: 2001-09-05
  PRIOR APPLICATION NUMBER: US/09/795,668
  PRIOR FILING DATE: 2001-02-28
  PRIOR APPLICATION NUMBER: US 09/515,716
  PRIOR FILING DATE: 2000-02-28
  NUMBER OF SEQ ID NOS: 1531
  SOFTWARE: FastSEQ for Windows Version 4.0
  SEQ ID NO 1
    TYPE: DNA
    LENGTH: 1503841
    ORGANISM: Homo sapiens
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      NAME/KEY: misc_feature
      LOCATION: (1)..(1531)
      OTHER INFORMATION: r=g or a
    FEATURE:
      NAME/KEY: misc_feature
      LOCATION: (1)..(1531)
      OTHER INFORMATION: y=t/u or c
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      NAME/KEY: misc_feature
      LOCATION: (1)..(1531)
      OTHER INFORMATION: m=a or c
    FEATURE:
      NAME/KEY: misc_feature
      LOCATION: (1)..(1531)
      OTHER INFORMATION: k=g or t/u
    FEATURE:
      NAME/KEY: misc_feature
      LOCATION: (1)..(1531)
      OTHER INFORMATION: s=g or c
    FEATURE:
      NAME/KEY: misc_feature
      LOCATION: (1)..(1531)
      OTHER INFORMATION: w=a or t/u
    FEATURE:
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      LOCATION: (1)..(1531)
      OTHER INFORMATION: b=g or c or t/u
    FEATURE:
      NAME/KEY: misc_feature
      LOCATION: (1)..(1531)
      OTHER INFORMATION: d=a or g or t/u

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 31, 2004, 05:18:38 ; Search time 65.1233 Seconds
(without alignments)
6825.753 Million cell updates/sec

Title: US-09-434-382-28_COPY_21800_22600

Perfect score: 801
Sequence: 1 agtgcctgctgctgtatttt.....agcgaagctttgaccggat 801

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 582709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	800.6	100.0	26664	US-09-564-805-28	Sequence 28, Appl
2	145.8	18.2	2481	US-09-564-805-1	Sequence 1, Appli
3	145.8	18.2	2892	US-09-564-805-225	Sequence 225, App
4	145.8	18.2	2908	US-09-564-805-223	Sequence 223, App
5	145.8	18.2	2958	US-09-564-805-3	Sequence 3, Appli
6	138.6	17.3	139	US-09-564-805-20	Sequence 20, Appl
7	102.2	12.8	2470	US-09-564-805-221	Sequence 221, App
8	39.8	5.0	7218	US-08-232-483-14	Sequence 14, Appl
9	39.4	4.9	840	US-09-376-728-1	Sequence 1, Appli
10	39.2	4.9	399	US-09-621-976-8976	Sequence 189, App
11	36.8	4.6	810	US-09-134-001C-1951	Sequence 13, Appl
12	36.6	4.6	19124	US-08-487-826B-13	Sequence 13, Appl
13	36.6	4.6	4403765	US-09-103-840A-2	Sequence 1, Appli
14	36.6	4.6	4411523	US-09-103-840A-1	Sequence 1, Appli
15	36.4	4.5	832	US-09-621-976-2813	Sequence 2813, Ap
16	36	4.5	1182	US-09-461-697-261	Sequence 261, App
17	36	4.5	2173	US-09-220-132-189	Sequence 189, App
18	36	4.5	2664	US-09-149-476-255	Sequence 255, App
19	36	4.5	50000	US-09-146-053-4	Sequence 4, Appli
20	35.8	4.5	17056	US-09-245-041-3	Sequence 3, Appli
21	35.2	4.4	843	US-09-328-352-1259	Sequence 1259, Ap
22	35.2	4.4	3253	US-09-759-359A-1	Sequence 1, Appli
23	35	4.4	289	US-09-007-005-17	Sequence 17, Appl
24	35	4.4	289	US-09-244-796-17	Sequence 17, Appl
25	35	4.4	6801	US-10-204-708-62	Sequence 62, Appl
26	34.6	4.3	786431	US-09-751-389-3	Sequence 3, Appli
27	34.4	4.3	479	US-09-621-976-2336	Sequence 2336, Ap

C 28	34.4	4.3	6422	4	US-09-976-594-715	Sequence 715, App
29	34.2	4.3	3036	4	US-09-016-434-1155	Sequence 1155, Ap
C 30	34	4.2	832	4	US-09-621-976-2813	Sequence 2813, Ap
31	34	4.2	3785	4	US-09-889-718-1	Sequence 1, Appli
C 32	34	4.2	5852	4	US-09-853-768-10	Sequence 10, Appl
C 33	34	4.2	7037	4	US-09-853-768-3	Sequence 3, Appli
34	33.6	4.2	2885	4	US-09-016-434-1143	Sequence 1143, Ap
35	33.6	4.2	640681	4	US-09-790-988-1	Sequence 1, Appli
36	33.4	4.2	11049	4	US-10-204-708-23	Sequence 23, Appl
C 37	33.4	4.2	32000	4	US-10-027-383-11	Sequence 11, Appl
38	33.2	4.1	444	4	US-09-134-000C-711	Sequence 711, App
39	33	4.1	858	4	US-09-976-594-290	Sequence 290, App
C 40	32.8	4.1	1029	4	US-09-328-352-1249	Sequence 1249, Ap
C 41	32.8	4.1	4385	4	US-10-162-012-43	Sequence 43, Appl
C 42	32.8	4.1	6999	1	US-08-276-594A-1	Sequence 1, Appli
C 43	32.8	4.1	7056	1	US-08-121-202-1	Sequence 1, Appli
C 44	32.8	4.1	7881	2	US-08-751-189-1	Sequence 1, Appli
45	32.8	4.1	7881	2	US-09-060-836-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-09-564-805-28
; Sequence 28, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
; LENGTH: 26664
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (910)..(13104)
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
; OTHER INFORMATION: 5582-5650; exon 7: 7075-7194; exon 8:
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
; NAME/KEY: misc feature
; LOCATION: (13756)..(22917)
; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
; OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
; OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
; OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
; NAME/KEY: misc feature
; LOCATION: (23045)..(26452)
; OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
; OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
; OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
; OTHER INFORMATION: signal: 26447-26452
; NAME/KEY: variation
; LOCATION: (826)..(23879)
; OTHER INFORMATION: s at positions 826 and 23180 is G or C; Y at
; OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
; OTHER INFORMATION: is C or T, n at position 13128 is t or tgat; r at
; OTHER INFORMATION: positions 22211 and 23879 is A or G.

RESULT 8
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Hardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:

RESULT 9
US-03-376-728-1/c
; Sequence 1, Application US/09376728
; Patent No. 6372961
; GENERAL INFORMATION:
; APPLICANT: Tarczyński, Mitchell C.
; APPLICANT: Shen, Bo
; TITLE OF INVENTION: Hemoglobin Genes and Their Use
; FILE REFERENCE: 0873

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/ CURRENT APPLICATION NUMBER: US/09/376,728
/ CURRENT FILING DATE: 1999-08-17
/ EARLIER APPLICATION NUMBER: US 60/097,242
/ EARLIER FILING DATE: 1998-08-20
/ NUMBER OF SEQ ID NOS: 4
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 1
/ LENGTH: 840
/ TYPE: DNA
/ ORGANISM: Zea mays
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (51)...(623)
US-09-376-728-1

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QY 367 CTGAGCGCCGACACGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 426
DB 555 CCGCGCGCGTGGCGGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 496
QY 427 CCGTCATTACGAGACCGAGTGGAGAGGTCCTCTCTCTCTCTCTCTCTCTCTCTCTCT 467
DB 495 CTTGATGACGCGCGCGCGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 455

RESULT 10
US-09-621-976-8976/c
/ Sequence 9976, Application US/09621976
/ Patent No. 6639063
/ GENERAL INFORMATION:
/ APPLICANT: Jobert, S. Y.
/ APPLICANT: Giordano, J. Y.
/ TITLE OF INVENTION: ESTs and Encoded Human Proteins.
/ FILE REFERENCE: GENSET.054PR2
/ CURRENT APPLICATION NUMBER: US/09/621,976
/ CURRENT FILING DATE: 2000-07-21
/ NUMBER OF SEQ ID NOS: 19335
/ SOFTWARE: Patent.pm
/ SEQ ID NO 8976
/ LENGTH: 399
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-621-976-8976

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Best Local Similarity 13.1%; Pred. No. 0.026; Indels 2; Gaps 1;
Matches 47; Conservative 159; Mismatches 152; Indels 2; Gaps 1;

QY 394 GGAAGTGTGTGAGGCGACATTTGGGCGAGTGTGCGGTCTATTACGAGACCGAGTGGACAG 453
DB 395 GGAAGTGTGAGGTTGAGCGTATGAGGACATCAATCAGCAAGKWWGAMKWTGGWKY 336
QY 454 GTCTCTGGGACCGCTGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 513
DB 335 YWMTSRGSRYYRYKTSAMWGRKAKKTKTKMYWKGKGGSTYWMRSRRSGTGRW 276
QY 514 GAGTGTGTGGCTGGACCAAGAGCTGGAGCTGGAGGAGGAGGAGGAGGAGGAGGAGTGGC 573
DB 275 SYRPMWRGSKSGGGSYYRMAGYRSRWESWYSAWKKKWTCKWGRSSWGRSTGYA 216
QY 574 CTTTGGCTGGCTTTTCTCTCGGTTCCAACTTGCACAGCTTTTGTCTACTCATCTC 633
DB 215 WNVKSWCTSRKMYKKRKKRRKCTSTKRTCTVRGTYKWKYATYKKRKKWTRTY 156
QY 634 TGGCTAGGAATGGTTTTTGAAGAACTCAACATAGTCTCTCTCGCGCCACAGAAATGCT 693
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Db 155 YKSYMSMKTKTRMTAYYTKWKW- -TRTKWTCTMCWKCTTYWAGTMMYRYRYWY 98
QY 694 TCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 753
DB 97 YAKRAKSKKCTWSTTCYCKMYAKKCSWWSMSMKGKSMWKWTTTTTTTTTMMKWSK 38

RESULT 11
US-09-134-001C-1951/c
/ Sequence 1951, Application US/09134001C
/ Patent No. 6380370
/ GENERAL INFORMATION:
/ APPLICANT: Lynn Doucette-Stamm et al
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
/ TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
/ FILE REFERENCE: GTC-007
/ CURRENT APPLICATION NUMBER: US/09/134,001C
/ CURRENT FILING DATE: 1998-08-13
/ PRIOR APPLICATION NUMBER: US 60/064,964
/ PRIOR FILING DATE: 1997-11-08
/ PRIOR APPLICATION NUMBER: US 60/055,779
/ PRIOR FILING DATE: 1997-08-14
/ NUMBER OF SEQ ID NOS: 5674
/ SEQ ID NO 1951
/ LENGTH: 810
/ TYPE: DNA
/ ORGANISM: Staphylococcus epidermidis
US-09-134-001C-1951

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Matches 50; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

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DB 139 CAGCAGTTTCAGATTCATTGATTAAGTAAATCTTAAAGCTCTTAACTTTTAA 80
QY 107 TTTTCTTTTCTGAT 118
DB 79 TTGTTCTTTAT 68

RESULT 12
US-08-487-826B-13/c
/ Sequence 13, Application US/08487826B
/ Patent No. 5993827
/ GENERAL INFORMATION:
/ APPLICANT: Sim, Kim L.
/ APPLICANT: Chitnis, Chetan
/ APPLICANT: Miller, Louis H.
/ APPLICANT: Peterson, David S.
/ APPLICANT: Su, Xin-zhaun
/ APPLICANT: Welles, Thomas E.
/ TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
/ TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
/ NUMBER OF SEQUENCES: 45
/ CORRESPONDENCE ADDRESS:
/ ADDRESS: Knobbe Martens Olson & Bear
/ STREET: 620 Newport Center Drive 16th Floor
/ CITY: Newport Beach
/ STATE: California
/ COUNTRY: US
/ ZIP: 92660
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/487,826B
/ FILING DATE: 10-SEP-1993
/ CLASSIFICATION: 435
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 31, 2004, 07:06:00 ; Search time 390.74 Seconds

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Title: US-09-434-382-28_COPY_21800_22600

Perfect score: 801

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Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

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- Published Applications NA:*
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 - 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
 - 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
 - 13: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
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 - 19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	800.6	100.0	26664	10	US-09-988-626-28
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7	145.8	18.2	2481	10	US-09-988-626-1
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14	145.8	18.2	2481	10	US-09-988-626-1

15	145.8	18.2	2958	10	US-09-988-686-3
16	144.2	18.0	2907	16	US-10-108-260A-282
17	138.6	17.3	139	10	US-09-988-626-20
18	138.6	17.3	139	10	US-09-988-687-20
19	138.6	17.3	139	10	US-09-988-686-20
20	102.2	12.8	2470	10	US-09-988-626-221
21	102.2	12.8	2470	10	US-09-988-687-221
22	102.2	12.8	2470	10	US-09-988-686-221
23	41	5.1	310	13	US-10-424-599-13701
24	40.6	5.1	377	13	US-10-424-599-32870
25	40.4	5.0	6121	13	US-10-221-613-45
26	40.4	5.0	6121	15	US-10-240-485-31
27	40	5.0	552	16	US-10-260-238-5036
28	40	5.0	10710	13	US-10-311-455-866
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30	39.2	4.9	1152	9	US-09-764-847-1517
31	39.2	4.9	1152	15	US-10-092-154-1517
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33	39.2	4.9	1655	15	US-10-092-154-1518
34	38.8	4.8	1732	9	US-09-764-853-379
35	38.8	4.8	1732	15	US-10-091-438-28
36	38.8	4.8	4443	15	US-10-156-761-3260
37	38.8	4.8	6014	15	US-10-354-358-89
38	38.8	4.8	15548	15	US-10-311-455-2128
39	38.8	4.8	9025608	15	US-10-156-761-1
40	38	4.7	1236	13	US-10-424-599-13205
41	38	4.7	5981	15	US-10-311-455-2166
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43	38	4.7	10286	15	US-10-240-453-21
44	37.6	4.7	3673778	15	US-10-312-841-2
45	37.2	4.6	1820	13	US-10-424-599-82084

ALIGNMENTS

RESULT 1

US-09-988-626-28
; Sequence 28, Application US/09988626
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Smard, Jacques
; APPLICANT: Rommens, Johanna M.
; TITLE OF INVENTION: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 28
; LENGTH: 26664
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (910)..(13104)
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
; NAME/KEY: misc feature
; LOCATION: (13756)..(22917)

Sequence 3, Appli
Sequence 282, App
Sequence 20, Appl
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Sequence 221, App
Sequence 221, App
Sequence 221, App
Sequence 13701, A
Sequence 32870, A
Sequence 45, Appl
Sequence 31, Appl
Sequence 5036, Ap
Sequence 866, App
Sequence 135711,
Sequence 1517, Ap
Sequence 1518, Ap
Sequence 1518, Ap
Sequence 379, App
Sequence 28, Appl
Sequence 3260, Ap
Sequence 89, Appl
Sequence 2128, Ap
Sequence 1, Appli
Sequence 13205, A
Sequence 2166, Ap
Sequence 13, Appl
Sequence 21, Appl
Sequence 2, Appli
Sequence 82084, A

/	OTHER INFORMATION:	exon 11: 13756-13868; exon 12: 15283-15378; exon
/	OTHER INFORMATION:	13: 16278-16416; exon 14: 16498-16583; exon 15:
/	OTHER INFORMATION:	18583-18701; exon 16: 20349-20445; exon 17:
/	OTHER INFORMATION:	22172-22310; exon 18: 22879-22917
/	NAME/KEY:	misc feature
/	LOCATION:	(23045)..(26452)
/	OTHER INFORMATION:	exon 19: 23045-23154; exon 20: 23795-23895; exon
/	OTHER INFORMATION:	21: 23973-24093; exon 22: 24354-24432; exon 23:
/	OTHER INFORMATION:	25026-25170; exon 24: 25812-26036; polyadenylation
/	OTHER INFORMATION:	signal: 26447-26452
/	NAME/KEY:	variation
/	LOCATION:	(826)..(23879)
/	OTHER INFORMATION:	s at positions 826 and 23180 is G or C; y at
/	OTHER INFORMATION:	positions 1914, 5568, 7165, 16431, 1857 and 20486
/	OTHER INFORMATION:	is C or T; n at position 13128 is t or tgat; r at
/	OTHER INFORMATION:	positions 22211 and 23879 is A or G.
US-09-988-626-28		
	Query Match	100.0%; Score 800.6; DB 10; Length 26664;
	Best Local Similarity	100.0%; Pred. No. 1.6e-234;
	Matches 801; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
QY	1	AGTGCCTGTCTCGTGAATTTTCAACAGAGGCTGTGGCCACAGTCAATCTGCAATGGTCAGAT 60
DB	21800	AGTGCCTGTCTCGTGAATTTTCAACAGAGGCTGTGGCCACAGTCAATCTGCAATGGTCAGAT 21859
QY	61	TCAATCTTAGGACTAAATGCTTTTAGCCCTCTATAAACTTTTTTTTTTTTTTTTTTTTGATGC 120
DB	21860	TCAATCTTAGGACTAAATGCTTTTAGCCCTCTATAAACTTTTTTTTTTTTTTTTTTTTGATGC 21919
QY	121	CCAGCCTTTGTGTAAGTCTACTTTGAAAGGGTTTCAGGGTTCAGATCACTCTTTTGCTA 180
DB	21920	CCAGCCTTTGTGTAAGTCTACTTTGAAAGGGTTTCAGGGTTCAGATCACTCTTTTGCTA 21979
QY	181	TAAAGAGGATGACACATGTAAATTCACCTTTAAGTTAAGTTAAATTAATGGCTTTTATATTAG 240
DB	21980	TAAAGAGGATGACACATGTAAATTCACCTTTAAGTTAAGTTAAATTAATGGCTTTTATATTAG 22039
QY	241	CTCCTCAAGCAAGCAGAGACAGACAAATTTCTGCAGTTCCTTTCTGGTCCCTGCCAA 300
DB	22040	CTCCTCAAGCAAGCAGAGACAGACAAATTTCTGCAGTTCCTTTCTGGTCCCTGCCAA 22099
QY	301	AGCAGACATCAGCCTCTGAAACATCAGCAGTCTTCTAGTGGCAGTACTCTCTTCCTCT 360
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QY	361	TCTCTTTGAGCCCGGACAGCAGTCTGTCTACTGAGCTGTGTGAGGGCAGCTTTGGGCA 420
DB	22160	TCTCTTTGAGCCCGGACAGCAGTCTGTCTACTGAGCTGTGTGAGGGCAGCTTTGGGCA 22219
QY	421	GCTGTGCGGTCATTACGGAGACAGGTGGACAGGTCCTGGGCAACCTTGGCTGTGTGT 480
DB	22220	GCTGTGCGGTCATTACGGAGACAGGTGGACAGGTCCTGGGCAACCTTGGCTGTGTGT 22279
QY	481	TGTGTCCCACTGCACGCAGATCACACAGGTGAGTGTGGCTGGACCAAGAAGCTGG 540
DB	22280	TGTGTCCCACTGCACGCAGATCACACAGGTGAGTGTGGCTGGACCAAGAAGCTGG 22339
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DB	22340	AGCCTGGAGAGGCACTGCCACGTTGAGTTGGCCCTTTGGCTGCGTCTTTTCTCCTCCGCTT 22399
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QY	661	TCAACATAGTCTTCTGCGGCCAACAAATGTCTTCTCTTCCCTGTTCAAGTTCCTTCTCTGC 720
DB	22460	TCAACATAGTCTTCTGCGGCCAACAAATGTCTTCTCTTCCCTGTTCAAGTTCCTTCTCTGC 22519
QY	721	AGCAGGACAGGTTTGATTTTACCACGCTTCCCTTGAAGTCTTGAATCTCAACGGCTGCT 780
DB	22520	AGCAGGACAGGTTTGATTTTACCACGCTTCCCTTGAAGTCTTGAATCTCAACGGCTGCT 22579

QY 781 CAGCGGAGCTTTGACCGGAT 801
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 Db 22580 CAGCGGAGCTTTGACCGGAT 22600
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 US-09-988-687-28
 ; Sequence 28, Application US/09988687
 ; Publication No. US20030045704A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavtigian, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 ; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09/988,687
 ; CURRENT FILING DATE: 2001-11-20
 ; PRIOR APPLICATION NUMBER: 09/564,805
 ; PRIOR FILING DATE: 2000-05-05
 ; PRIOR APPLICATION NUMBER: US 60/107,468
 ; PRIOR FILING DATE: 1998-11-06
 ; PRIOR APPLICATION NUMBER: 09/434,382
 ; PRIOR FILING DATE: 1999-11-05
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 28
 ; LENGTH: 26664
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (910)..(13104)
 ; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
 ; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
 ; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
 ; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
 ; OTHER INFORMATION: 13032-13104;
 ; NAME/KEY: misc feature
 ; LOCATION: (13756)..(22917)
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 ; OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
 ; OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
 ; OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
 ; NAME/KEY: misc feature
 ; LOCATION: (23045)..(26452)
 ; OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
 ; OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
 ; OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
 ; OTHER INFORMATION: signal: 26447-26452
 ; NAME/KEY: variation
 ; LOCATION: (826)..(23879)
 ; OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
 ; OTHER INFORMATION: positions 1914, 5588, 7165, 16431, 1857 and 20486
 ; OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at
 ; OTHER INFORMATION: positions 22211 and 23879 is A or G.
 ; US-09-988-687-28

	Query Match	100.0%;	Score 800.5;	DB 10;	Length 26664;
	Best Local Similarity	100.0%;	Pred. No. 1.6e-234;		
	Matches 801;	Conservative	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	AGTGCCTGTCCTGGTATTTTCAACAGAGAGCTGTGCCACAGTCATTCGTCTGTGCAT	60		
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Qy	61	TCATTGTAGGACTAAATGCTTTAAGCCTCCTATAAAGCTTTTTTTTTTTTGTATGTC	120		
Db	21860	TCATTGTAGGACTAAATGCTTTAAGCCTCCTATAAAGCTTTTTTTTTTTTGTATGTC	21919		

QY 121 CCAGCCTTTGTGTAAGTCTACTTTGAAAGGTTTCCAGGTTCCATGATCTCTTTTGCTA 180
Db 21920 CAGGCTTTGTGTAAGTCTACTTTGAAGGTTTCCAGGTTCCATGATCTCTTTTGCTA 21979
QY 181 TAAAGAGATGACACATGTAAATCACCTTTAAGTTAAATTAATTTGCTTTTATPATAG 240
Db 21980 TAAAGAGATGACACATGTAAATCACCTTTAAGTTAAATTAATTTGCTTTTATPATAG 22039
QY 241 CTCCTCAAGCAAGCAAGAGAGACAGAAATTTCTGCAAGTTGCTTTGCTGCTGCTCCAA 300
Db 22040 CTCCTCAAGCAAGCAAGAGAGACAGAAATTTCTGCAAGTTGCTTTGCTGCTGCTCCAA 22099
QY 301 AGCAGACATCAGCCTCTGAACATCAGCAGTCTTCTAGTGGCAGTCTCTCTTCTCTCT 360
Db 22100 AGCAGACATCAGCCTCTGAACATCAGCAGTCTTCTAGTGGCAGTCTCTCTTCTCTCT 22159
QY 361 TCTCTTCTGACGCGCGACAGCTCTCTGCTACTGCACTGTGTGAGGCACTTTGGGCA 420
Db 22160 TCTCTTCTGACGCGCGACAGCTCTCTGCTACTGCACTGTGTGAGGCACTTTGGGCA 22219
QY 421 GCTGTGCGCTCAATTACGGAGACAGGTTGGACAGGTTCTTGGGCACTTGGCTGTGTGT 480
Db 22220 GCTGTGCGCTCAATTACGGAGACAGGTTGGACAGGTTCTTGGGCACTTGGCTGTGTGT 22279
QY 481 TGTGTCCACCTGCGAGCGAGATCACACACGCTGAGTGTGGCTGGACCAAGCTGG 540
Db 22280 TGTGTCCACCTGCGAGCGAGATCACACACGCTGAGTGTGGCTGGACCAAGCTGG 22339
QY 541 AGCCTGGAGGAGCACTGCAAGTTGAGTTGGCCCTTTGGCTGCTCTTTTCCCTCCGCTT 600
Db 22340 AGCCTGGAGGAGCACTGCAAGTTGAGTTGGCCCTTTGGCTGCTCTTTTCCCTCCGCTT 22399
QY 601 CCAACTTGGCCAGAGCTTTGTTACTCATCTCTGGCTAGGAATGGTTTTTGCAAAAC 660
Db 22400 CCAACTTGGCCAGAGCTTTGTTACTCATCTCTGGCTAGGAATGGTTTTTGCAAAAC 22459
QY 661 TCAACATAGTCTCTTGGCCACACAGATGCTTCTCTCTCTGTTTCACTTCTCTCTG 720
Db 22460 TCAACATAGTCTCTTGGCCACACAGATGCTTCTCTCTCTGTTTCACTTCTCTCTG 22519
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Db 22520 AGCAGGACAGGTTGAGTTTACCCAGCCTTCCCTGAGTCTTGAATCTCACACGCGCTGCT 22579
QY 781 CAGCGAAGCTTTGACCGGAT 801
Db 22580 CAGCGAAGCTTTGACCGGAT 22600

RESULT 3
US-09-988-686-28
; Sequence 28, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,686
; PRIORITY FILING DATE: 2001-11-20
; PRIORITY APPLICATION NUMBER: 09/564,805
; PRIORITY FILING DATE: 2000-05-05
; PRIORITY APPLICATION NUMBER: US 60/107,468
; PRIORITY FILING DATE: 1998-11-06
; PRIORITY APPLICATION NUMBER: 09/434,382
; PRIORITY FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatensIn Ver. 2.0
; SEQ ID NO 28

LENGTH: 26664
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (910) ..(13104)
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
OTHER INFORMATION: 13032-13104;
NAME/KEY: misc feature
LOCATION: (13756) ..(22917)
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
OTHER INFORMATION: 18593-18701; exon 16: 20349-20445; exon 17:
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc feature
LOCATION: (23045) ..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826) ..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C; Y at
OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at
OTHER INFORMATION: positions 22211 and 23879 is A or G.
US-09-988-686-28

Query Match 100.0%; Score 800.6; DB 10; Length 26664;
Best Local Similarity 100.0%; Pred. No. 1.6e-234;
Matches 801; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGTGCCCTGCTCTGATATTTTCAACAGAGGCTGTGGCCACAGTCAATCTGCATCGTCAGAT 60
Db 21800 AGTGCCCTGCTCTGATATTTTCAACAGAGGCTGTGGCCACAGTCAATCTGCATCGTCAGAT 21859
QY 61 TCATTGTTAGGACTAAATGCTTTAAGCTCTCTATAAATTTTTTTTTTTTTTTTGTATGC 120
Db 21860 TCATTGTTAGGACTAAATGCTTTAAGCTCTCTATAAATTTTTTTTTTTTTTTTGTATGC 21919
QY 121 CCAGCCTTTGTGTAAGTCTACTTTGAAGGTTTCAAGGTTTCCATGATCTCTTTTGCTA 180
Db 21920 CCAGCCTTTGTGTAAGTCTACTTTGAAGGTTTCAAGGTTTCCATGATCTCTTTTGCTA 21979
QY 181 TAAAGAGATGACACATGTAAATCACCTTTATGGTTAAATTAATTTGCTTTTATATTAG 240
Db 21980 TAAAGAGATGACACATGTAAATCACCTTTATGGTTAAATTAATTTGCTTTTATATTAG 22039
QY 241 CTCCTCAAGCAAGCAAGAGAGACAGAAATTTCTGCAAGTTGCTTCTTGGTCTCTGCTCAA 300
Db 22040 CTCCTCAAGCAAGCAAGAGAGACAGAAATTTCTGCAAGTTGCTTCTTGGTCTCTGCTCAA 22099
QY 301 AGCAGACATCAGCCTCTGAACCATCAGCAGTCTTCTAGTGGCAGTGACTTCTTCTCTCT 360
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QY 361 TCTCTTCTGAGCCCGACACAGTCTCTGCTACTGAGTGTGTGAGGCACTTTGGGCA 420
Db 22160 TCTCTTCTGAGCCCGACACAGTCTCTGCTACTGAGTGTGTGAGGCACTTTGGGCA 22219
QY 421 GCTGTGCGCTCAATTACGGAGACAGGTTGGACAGGTTCTTGGGCACTTGGCTGTGTGT 480
Db 22220 GCTGTGCGCTCAATTACGGAGACAGGTTGGACAGGTTCTTGGGCACTTGGCTGTGTGT 22279
QY 481 TGTGTCCACCTGCGAGCGAGATCACACACGCTGAGTGTGGCTGGACCAAGCTGG 540
Db 22280 TGTGTCCACCTGCGAGCGAGATCACACACGCTGAGTGTGGCTGGACCAAGCTGG 22339
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Db	22400	CCAAACTTGGCCGAGCTTTTGTACTCATCTCTGGCTAGGAAATGGTTTTTTCGAAAAC	22459
Qy	661	TCAACATAGTCCCTTCGCGCCACAGAAATGTCTTCTTCCCTGTTTCAGTTCCTTTCCTGC	720
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RESULT 4

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US/09-988-626-1
; Sequence 1, Application US/09988626
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0

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: SEQ ID NO 1
: LENGTH: 2481

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; LENGTH: 2481
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
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; LOCATION: (1)..(2478)
US-09-988-626-1

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Query Match 18.2%: Score 145.8: DB 10: Length 2481:

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RESULT 5

US-09-988-687-1
; Sequence 1, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:

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/ APPLICANT: Tavtigian, Sean V.
/ APPLICANT: Teng, David H.F.
/ APPLICANT: Simard, Jacques
/ APPLICANT: Rommens, Johanna M.
/ APPLICANT: Myriad Genetics, Inc.
/ TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
/ TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
/ FILE REFERENCE: 2318-238
/ CURRENT APPLICATION NUMBER: US/09/988,687
/ CURRENT FILING DATE: 2001-11-20
/ PRIOR APPLICATION NUMBER: 09/564,805
/ PRIOR FILING DATE: 2000-05-05
/ PRIOR APPLICATION NUMBER: US 60/107,468
/ PRIOR FILING DATE: 1998-11-06
/ PRIOR APPLICATION NUMBER: 09/434,382
/ PRIOR FILING DATE: 1999-11-05
/ NUMBER OF SEQ ID NOS: 240
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 1
/ LENGTH: 2481
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (1)..(2478)
/ PS-C9-988-687-1

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Query Match 18.2% Score 145.8; DB 10; Length 2481;

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Query Match 100.0%; Score 156.0;
Best Local Similarity 89.1%; Pred. No. 1.6e-33;
Matches 156; Conservative 1; Mismatches 18; Indels 0; Gaps 0;
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398 TGTGTGAGGGCACATTTGGGAGCTGTGCCGTCAATACGGAGACCCAGGTGCACAGGGTC 457

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RESIST 6

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RESUL 6
US-09-988-686-1
; Sequence 1, Application US/09988686
; Sequence 1, Sequence 1
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p
; TITLE OF INVENTION: Gene and a Pa
; FILE REFERENCE: 2319-258

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FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: IIS/09/988.686

CURRENT APPLICATION NUMBER: 05/09/38
CURRENT FILING DATE: 2001-11-20

CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805

PRIOR APPLICATION NUMBER: 09/304,803
PRIOR FILING DATE: 2000-05-05

PRIOR FILING DATE: 2000-03-03
PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR APPLICATION NUMBER: US 60/107,400
PRIOR FILING DATE: 1998-11-06

PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382

PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05

PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240

NUMBER OF SEQ ID NOS: 240
SOFTWARE: Patent In Ver. 2.0

SOFTWARE: PATENTIN VER. 2.0
SEQ ID NO 1

SEQ ID NO 1
LENGTH: 2481

LENGTH: 2481
TYPE: DNA

TYPE: DNA
ORGANISM: Homo sapiens

ORGANISM: Homo sapiens
FEATURE:

FEATURE:	NAME/KEY:	CDS
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99	99	99
100	100	100

NAME/KEY: CDS

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 31, 2004, 05:18:38 ; Search time 40.7326 Seconds

(without alignments)
6825.753 Million cell updates/sec

Title: US-09-434-382-28_COPY_26164_26664

Perfect score: 501

Sequence: 1 ggtatggagctgtgcgagg.....ttcgccaagtcttttgaca 501

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IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA: *

1: /cgn2_6/ptodata/2/ina/5A COMB.seq: *

2: /cgn2_6/ptodata/2/ina/5B COMB.seq: *

3: /cgn2_6/ptodata/2/ina/5A COMB.seq: *

4: /cgn2_6/ptodata/2/ina/5B COMB.seq: *

5: /cgn2_6/ptodata/2/ina/5A COMB.seq: *

6: /cgn2_6/ptodata/2/ina/5B COMB.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	501	100.0	26664	4	US-09-564-805-28
2	303	60.5	655	4	US-09-564-805-27
3	303	60.5	2958	4	US-09-564-805-3
4	296.6	59.2	2908	4	US-09-564-805-223
5	254.6	50.8	2892	4	US-09-564-805-225
6	34.6	6.9	505	4	US-09-621-976-15639
7	33.2	6.6	6042	1	US-08-261-822A-1
8	33.2	6.6	6042	5	PCT-US95-07744A-1
9	33.2	6.6	6172	4	US-08-819-288-1
10	33.2	6.6	6172	4	US-09-400-348-1
11	32	6.4	364	4	US-09-621-976-17202
12	31.2	6.2	2327	4	US-09-149-476-107
13	31.2	6.2	8316	4	US-09-578-181-11
14	31.2	6.2	9354	4	US-09-578-181-10
15	30.8	6.1	399	4	US-09-621-976-8976
16	30.6	6.1	787	3	US-08-943-731-200
17	30.6	6.1	20084	3	US-08-943-731-5
18	30.6	6.1	38844	4	US-09-734-675-3
19	30.2	6.0	33312	4	US-08-311-731A-121
20	30.2	6.0	35828	4	US-09-449-218D-17
21	30.2	6.0	35828	4	US-09-668-529A-17
22	30.2	6.0	35828	4	US-09-668-037A-17
23	30	6.0	1834	4	US-08-592-126-90
24	30	6.0	1834	4	US-09-168-595-90
25	30	6.0	3227	4	US-09-976-594-775
26	29.8	5.9	7218	1	US-08-232-463-14
27	29.6	5.9	530	3	US-08-180-371-17

C 28	29.6	5.9	1677	2	US-08-684-101-1	Sequence 1, Appli
C 29	29.6	5.9	1677	3	US-09-205-814-1	Sequence 1, Appli
C 30	29.4	5.9	306	4	US-09-313-294A-511	Sequence 511, App
C 31	29.4	5.9	1342	3	US-08-961-083-181	Sequence 181, App
C 32	29.4	5.9	1342	4	US-09-536-784-181	Sequence 181, App
C 33	29.4	5.9	1455	4	US-09-468-656A-7	Sequence 7, Appli
C 34	29.4	5.9	3048	1	US-08-188-228-47	Sequence 47, Appli
C 35	29.4	5.9	3048	1	US-08-332-643-41	Sequence 41, Appli
C 36	29.4	5.9	3048	1	US-08-332-638-47	Sequence 47, Appli
C 37	29.4	5.9	4453	2	US-08-843-530B-17	Sequence 17, Appli
C 38	29.4	5.9	4453	2	US-08-843-530B-17	Sequence 17, Appli
C 39	29.2	5.8	226	4	US-08-961-527-192	Sequence 192, App
C 40	29.2	5.8	834	4	US-09-023-855-334	Sequence 334, App
C 41	29.2	5.8	2098	4	US-09-621-976-2574	Sequence 2574, App
C 42	29.2	5.8	640681	4	US-09-489-847-20	Sequence 20, Appli
C 43	29	5.8	506	1	US-09-790-988-7	Sequence 1, Appli
C 44	29	5.8	506	2	US-08-469-802B-7	Sequence 7, Appli
C 45	29	5.8	49795	4	US-08-267-803B-7	Sequence 7, Appli
C 45	29	5.8	49795	4	US-09-453-702B-60	Sequence 60, Appli

ALIGNMENTS

RESULT 1

US-09-564-805-28
; Sequence 28, Application US/09564805

; Patent No. 6333403

; GENERAL INFORMATION:

; APPLICANT: Tavtigian, Sean V.

; APPLICANT: Teng, David H.F.

; APPLICANT: Simard, Jacques

; APPLICANT: Rommens, Johanna M.

; APPLICANT: Myriad Genetics, Inc.

; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

; FILE REFERENCE: 2318-258

; CURRENT APPLICATION NUMBER: US/09/564,805

; CURRENT FILING DATE: 2000-05-05

; PRIOR APPLICATION NUMBER: US 60/107,468

; PRIOR FILING DATE: 1998-11-06

; PRIOR APPLICATION NUMBER: 09/434,382

; PRIOR FILING DATE: 1999-11-05

; NUMBER OF SEQ ID NOS: 240

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 28

; LENGTH: 26664

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (910)..(13104)

; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:

; OTHER INFORMATION: exon 4: 3025-3089; exon 5: 4361-4418;

; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:

; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:

; NAME/KEY: misc feature

; LOCATION: (13756)..(22917)

; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon

; OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:

; OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:

; OTHER INFORMATION: 22172-22310; exon 18: 22879-22917

; NAME/KEY: misc feature

; LOCATION: (23045)..(26452)

; OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon

; OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:

; OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation

; OTHER INFORMATION: signal: 26447-26452

; NAME/KEY: variation

; LOCATION: (826)..(23879)

; OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at

; OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486

; OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at

; OTHER INFORMATION: positions 2221 and 23879 is A or G.

Db 2716 AGGACTGTGCTGGCCACAGCGCGGCCAGGAGCTGCCACACGGAAGCAGCAGATGA 2775
Qy 121 ACTAATTTTCATTTCAAGGCAGTCTTTAAAGAGTCTTGGAAACAGACGCGGCACCTTTC 180
Db 2776 ACTAATTTTCATTTCAAGGCAGTCTTTAAAGAGTCTTGGAAACAGACGCGGCACCTTTC 2835
Qy 181 CTCTAATCCAGCAAGTGAATCCCTGCCACACAGAGAGCAAGCAGAGTAAACAGGATCAGTG 240
Db 2836 CTCTAATCCAGCAAGTGAATCCCTGCCACACAGAGAGCAAGCAGAGTAAACAGGATCAGTG 2895
Qy 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCACTGCAATAAAGATTGAGTTTG 300
Db 2896 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCACTGCAATAAAGATTGAGTTTG 2955
Qy 301 CAA 303
Db 2956 CAA 2958

RESULT 4
US-09-564-805-223
; Sequence 223, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 223
; LENGTH: 2908
; TYPE: DNA
; ORGANISM: Pan troglodytes
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-564-805-223

Query Match 59.2%; Score 296.6; DB 4; Length 2908;
Best Local Similarity 98.7%; Pred. No. 1.9e-94;
Matches 299; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGTATGGAGCTGTGCGAGGCTTGGGCTCCCATAGCACTAGTCTATAGATGCTCTT 60
Db 2606 GGTATGGAGCTGTGCGAGGCTTGGGCTCCCATAGCACTAGTCTATAGATGCTCTT 2665
Qy 61 AGGACTGTGCTGGCAGACGCGGCCAGGAGCTGCCACACGGAAGCAGCAGATGA 120
Db 2666 AGGACTGTGCTGGCAGACGCGGCCAGGAGCTGCCACACGGAAGCAGCAGATGA 2725
Qy 121 ACTAATTTTCATTTCAAGGCAGTCTTTAAAGAGTCTTGGAAACAGACGCGGCACCTTTC 180
Db 2726 ACTAATTTTCATTTCAAGGCAGTCTTTAAAGAGTCTTGGAAACAGACGCGGCACCTTTC 2785
Qy 181 CTCTAATCCAGCAAGTGAATCCCTGCCACACAGAGAGCAAGCAGAGTAAACAGGATCAGTG 240
Db 2786 CTCTAATCCAGCAAGTGAATCCCTGCCACACAGAGAGCAAGCAGAGTAAACAGGATCAGTG 2845
Qy 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCACTGCAATAAAGATTGAGTTTG 300
Db 2846 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCACTGCAATAAAGATTGAGTTTG 2905

Qy 301 CAA 303
Db 2906 CAA 2908
RESULT 5
US-09-564-805-225
; Sequence 225, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 225
; LENGTH: 2892
; TYPE: DNA
; ORGANISM: Gorilla gorilla
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-564-805-225

Query Match 50.8%; Score 254.6; DB 4; Length 2892;
Best Local Similarity 93.4%; Pred. No. 1.5e-79;
Matches 283; Conservative 0; Mismatches 4; Indels 16; Gaps 1;
Qy 1 GGTATGGAGCTGTGCGAGGCTTGGGCTCCCATAGCACTAGTCTATAGATGCTCTT 60
Db 2606 GGTATGGAGCTGTGCGAGGCTTGGGCTCCCATAGCACTAGTCTATAGATGCTCTT 2655
Qy 61 AGGACTGTGCTGGCAGACGCGGCCAGGAGGCTGCCACACGGAAGCAGCAGATGA 120
Db 2656 -----GGTGGCTGGCAGACGCGGCCAGGAGGCTTGGAAACAGACGCGGCACCTTTC 2709
Qy 121 ACTAATTTTCATTTCAAGGCAGTCTTTAAAGAGTCTTGGAAACAGACGCGGCACCTTTC 180
Db 2710 ACTAATTTTCATTTCAAGGCAGTCTTTAAAGAGTCTTGGAAACAGACGCGGCACCTTTC 2769
Qy 181 CTCTAATCCAGCAAGTGAATCCCTGCCACACAGAGAGCAAGCAGAGTAAACAGGATCAGTG 240
Db 2770 CTCTAATCCAGCAAGTGAATCCCTGCCACACAGAGAGCAAGCAGAGTAAACAGGATCAGTG 2829
Qy 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCACTGCAATAAAGATTGAGTTTG 300
Db 2830 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCACTGCAATAAAGATTGAGTTTG 2889
Qy 301 CAA 303
Db 2890 CAA 2892

RESULT 6
US-09-621-976-15639/c
; Sequence 15639, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.

FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 15639
LENGTH: 505
TYPE: DNA
ORGANISM: Homo sapiens
US-09-621-976-15639

Query Match 6.9%; Score 34.6; DB 4; Length 505;
Best Local Similarity 8.5%; Pred. No. 0.051;
Matches 22; Conservative 129; Mismatches 108; Indels 0; Gaps 0;

QY 33 CATAAGCACTAGTCTTAGATGCTCTTAGGACTGCTGCTGCACAGCCGGCCGACG 92
DB 272 SMMACMMSASAYRARRSMYGARRSMRAGAWRAREGKKRARGKSMRSMRSM 213
QY 93 AGGCTGCCACAGCAAGCAGAGATGAATTAATTCATTCAGGCACTTTTAAAGAA 152
DB 212 SAGKARCMRWMSCRMYSYSCGSKMSRCRTCAKWKYARYAKYASSNGKYMGCRW 153
QY 153 GTCTTGGAAACAGACGCGGCACTTCTCTTAUCCAGCAAGTATCCCTGCGACACC 212
DB 152 CYAKCARMYGYRYSRSTGSRGMKYRRKRYMYKMYMWSWYRMGAAMYGNSARAYR 93
QY 213 AGGACAGCAGAGTACAGGATCAGTGGTCTAAGTGTCCGAGACTTAACGAAATAGT 272
DB 92 MYASACACMMSKMMKMSWMMRWRKSRKRCWMSGKWCYCCGYSACRCYCVWTRR 33
QY 273 ATTCAGTGCATAAAGA 291
DB 32 MKSWYSSRKSMCCRYWSM 14

RESULT 7
US-08-261-822A-1
Sequence 1, Application US/08261822A
Patent No. 5650553
GENERAL INFORMATION:
APPLICANT: Ecker, Joseph R. et al.
TITLE OF INVENTION: Plant Genes for Sensitivity to Ethylene
TITLE OF INVENTION: and Pathogens
NUMBER OF SEQUENCES: 82
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 5650553ris
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/261,822A
FILING DATE: 17-JUN-1994
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Beardell, Lori Y.
REGISTRATION NUMBER: 34,293
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6042 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)
HYPOTHEICAL: NO
ANTI-SENSE: NO
US-08-261-822A-1

Query Match 6.6%; Score 33.2; DB 1; Length 6042;
Best Local Similarity 51.3%; Pred. No. 0.84;
Matches 77; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 200 TTCCTGACACAGCAGACAGCAGAGTACAGATCAGTGGGTCTAAGTGTCCGAGACT 259
DB 618 TTCCTGAGATCTGAATGCGTAGATCATACGGGATCTTTGCAITTTTGTGCTTTTCGT 677
QY 260 TAACGAAATAGTATTTTCAGCTGCAATAAAGATTTGATTTTGCAATTTGTCAGTTCTTTTCG 319
DB 678 CAGGTTACGATCTTTTAGCTTCAGTTTAGTTGAAATTTGTTATTTTGTGAGCTTATC 737
QY 320 TTCCTGCTGCTGCTGCTACAGCAGGCTC 349
DB 738 TTCCTTTTGTGCTGCTTCTACTAAGATC 767

RESULT 8
PCT-US95-07744A-1
Sequence 1, Application PC/TUS9507744A
GENERAL INFORMATION:
APPLICANT: Trustees of the University of Pennsylvania
TITLE OF INVENTION: Plant Genes for Sensitivity to Ethylene
TITLE OF INVENTION: and Pathogens
NUMBER OF SEQUENCES: 82
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & Norris
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/07744A
FILING DATE: 15-JUNE-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/261,822
FILING DATE: June 17, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Beardell, Lori Y.
REGISTRATION NUMBER: 34,293
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6042 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHEICAL: NO
ANTI-SENSE: NO
PCT-US95-07744A-1

Query Match 6.6%; Score 33.2; DB 5; Length 6042;
Best Local Similarity 51.3%; Pred. No. 0.84;
Matches 77; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 200 TTCCTGACACACAGCAGACAGCAGAGTACAGATCAGTGGGTCTAAGTGTCCGAGACT 259
DB 618 TTCCTGAGATCTGAATGCGTAGATCATACGGGATCTTTGCAITTTTGTGCTTTTCGT 677

QY 260 TAACGAAATAGTATTTCAGCTGCAATAAAGATTGAGTTTGCATTGCTTTTGC 319
Db 678 CAGCGTTACGATTCTTTTACCTCAGTTTGTAGTTGAATTTGTTTTCAGCTTATC 737
QY 320 TTCCCTCTGCTGCTGCTACAGCAGGGTC 349
Db 738 TTCTTTTGTGCTGCTTCATCTAAGATC 767

RESULT 9

US-08-819-288-1
; Sequence 1, Application US/08819288
; Patent No. 595562
; GENERAL INFORMATION:
; APPLICANT: Ecker, Joseph
; APPLICANT: Alonso, Jose
; TITLE OF INVENTION: PLANT GENES FOR SENSITIVITY TO ETHYLENE
; TITLE OF INVENTION: AND PATHOGENS
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 595562ris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/819,288
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Beardell, Lori Y.
; REGISTRATION NUMBER: 34,293
; REFERENCE/DOCKET NUMBER: UPN-2949
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6172 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-819-288-1

Query Match 6.6%; Score 33.2; DB 2; Length 6172;
Best Local Similarity 51.3%; Pred. No. 0.85;
Matches 77; Conservative 0; Mismatches 73; Indels 0; Gaps 0;
QY 200 TTCCCTGACACAGCAGCAGAGTAAACAGGATCAGTGGTCTAAGTCTCCGAGACT 259
Db 750 TTCTTGAAGATCTGAATCGGTAGATCATACGGGATCTTGCATTTTGTGCTTTTCGT 809
QY 260 TAACGAAATAGTATTTCAGCTGCAATAAAGATTGAGTTTGCATTGCTTTTGC 319
Db 810 CAGCGTTACGATTCTTTTACCTCAGTTTGTAGTTGAATTTGTTTTCAGCTTATC 869
QY 320 TTCCCTCTGCTGCTGCTACAGCAGGGTC 349
Db 870 TTCTTTTGTGCTGCTTCATCTAAGATC 899

RESULT 10

US-09-400-348-1

; Sequence 1, Application US/09400348
; Patent No. 6355778
; GENERAL INFORMATION:
; APPLICANT: Ecker, Joseph
; APPLICANT: Alonso, Jose
; TITLE OF INVENTION: PLANT GENES FOR SENSITIVITY TO ETHYLENE
; TITLE OF INVENTION: AND PATHOGENS
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6355778ris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/400,348
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/819,288
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Beardell, Lori Y.
; REGISTRATION NUMBER: 34,293
; REFERENCE/DOCKET NUMBER: UPN-2949
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6172 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-09-400-348-1

Query Match 6.6%; Score 33.2; DB 4; Length 6172;
Best Local Similarity 51.3%; Pred. No. 0.85;
Matches 77; Conservative 0; Mismatches 73; Indels 0; Gaps 0;
QY 200 TTCCCTGACACAGCAGCAGAGTAAACAGGATCAGTGGTCTAAGTCTCCGAGACT 259
Db 750 TTCTTGAAGATCTGAATCGGTAGATCATACGGGATCTTGCATTTTGTGCTTTTCGT 809
QY 260 TAACGAAATAGTATTTCAGCTGCAATAAAGATTGAGTTTGCATTGCTTTTGC 319
Db 810 CAGCGTTACGATTCTTTTACCTCAGTTTGTAGTTGAATTTGTTTTCAGCTTATC 869
QY 320 TTCCCTCTGCTGCTGCTACAGCAGGGTC 349
Db 870 TTCTTTTGTGCTGCTTCATCTAAGATC 899

RESULT 11

US-09-621-976-17202
; Sequence 17202, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976

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; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 17202
; LENGTH: 364
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-17202

Query Match
Best Local Similarity 6.4%; Score 32; DB 4; Length 364;
Matches 38; Conservative 122; Mismatches 132; Indels 0; Gaps 0;

QY 62 GGACTGGTGGCAGACCGCGCCAGGAGGCTGCCACAGCGGAGCAAGCATGAA 121
Db :||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
5 SGMKGRARCCGCKGCGKSGYGRSSRYGRRSSCCGSGMGWSGSCSRWSRRCWK 64
QY 122 CTAATTCATTTCAAGCGAGTTTAAAGAGTCTTTGAAACAGACGGCGGCACCTTCC 181
Db :||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
65 MWSMYMBSMKYKRTSCCKYKGGCKMACMTGWSGTAMRYMASYGVCSYMARYYTCY 124
QY 182 TCTAATCCAGCAAGTATTCCTGACACACGACAGACAGATACAGGATCAGTGG 241
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125 SKRYMVKYCYRYSRSGMCMGAGSGMCSYRSAGSRYSKSGSRGWYWKGCSTRSKK 184
QY 242 GTCTAAGTGTCCAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGCTTGC 301
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185 GMMWKKSRPRATREYGMSSMYGASKRSMSCSASTEMSASCOMYMMWSAGSYASC 244
QY 302 AATGTGAGTCTTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 353
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245 AWKMSKYRCAKWSCTYSYWMRASMKSKYCAWSRKGSRCCMYSRKSGSKCY 296

RESULT 12
US-09-149-476-107
; Sequence 107, Application US/09149476
; Patent No. 6420526
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002P1
; CURRENT APPLICATION NUMBER: US/09/149,476
; CURRENT FILING DATE: 1998-09-08
; EARLIER APPLICATION NUMBER: PCT/US98/04493
; EARLIER FILING DATE: 1998-03-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,333
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/038,621
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,626
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,334
; EARLIER FILING DATE: 1997-03-07
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; EARLIER FILING DATE: 1997-03-07
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; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/047,600
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,615
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,597
; EARLIER FILING DATE: 1997-05-23
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; EARLIER APPLICATION NUMBER: 60/047,503
; EARLIER FILING DATE: 1997-05-23
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; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,581
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,584
; EARLIER FILING DATE: 1997-05-23
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; EARLIER APPLICATION NUMBER: 60/047,587
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,492
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,598
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,613
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,582
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,596
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,612
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,632
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,314
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,569
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; EARLIER APPLICATION NUMBER: 60/043,311
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; EARLIER APPLICATION NUMBER: 60/043,671
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; EARLIER APPLICATION NUMBER: 60/043,672
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,315
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; EARLIER FILING DATE: 1997-08-22
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; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,887
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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/057,669
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/049,610
; EARLIER FILING DATE: 1997-06-13
; EARLIER APPLICATION NUMBER: 60/061,060
; EARLIER FILING DATE: 1997-10-02

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Best Local Similarity 35.9%; Pred. No.2.3;
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Db 1576 WSTKSWGCTCYCCKSRSTGRMKMRCTCTAGAAVTRGYRGAACMYKSGCTKMWGG 1635

Qy 387 AGTGTGCAGCTGCCTGGTACCCGGGTGGCTT 418
Db 1636 AAKSGGACAGAGCCAGACCTGTCATTGCTT 1667

RESULT 13
US-09-579-181-11/c
; Sequence 11, Application US/09579181
; Patent No. 6365372
; GENERAL INFORMATION:
; APPLICANT: Chrivia, John
; APPLICANT: Yaciuk, Peter
; TITLE OF INVENTION: SNF2 Related CBP Activator Protein (SRCAP)
; FILE REFERENCE: 16153-4247
; CURRENT APPLICATION NUMBER: US/09/579,181
; CURRENT FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/136,620
; PRIOR FILING DATE: 1999-05-27
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 8916
; TYPE: DNA
; ORGANISM: Human
US-09-579-181-11

Query Match          6.2%  Score 31.2; DB 4; Length 8916;
Best Local Similarity 50.7%; Pred. No.5.6;
Matches 75; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

Qy 13 TGGCGAGGCTTGGGCTCCACATAGACACTAGTCTATAGATGCTCTTAGAGCTGGTGCC 72
Db 6900 TGCCAAATGCTGGGCGACACAGCTCTGCTCAGGCTCAAGCCCAAGGGGAGATTAGTGAC 6841

Qy 73 TGGCACAGCGCGGGCCAGGAGCTGCCACAGGAAGCAGACAGACTAATTTTCATT 132
Db 6840 TGAGGCAGATGGGCACAGAGGTGGACCAACAGAGAGGAGGAGGTTCACAG 6781

Qy 133 TCAAGGCGAGTTTTTAAAGAGTCTTGA 160
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RESULT 14
US-09-579-181-10/c
; Sequence 10, Application US/09579181
; Patent No. 6365372

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; GENERAL INFORMATION:
; APPLICANT: Chrivia, John
; APPLICANT: Yaciuk, Peter
; TITLE OF INVENTION: SNF2 Related CBP Activator Protein (SRCAP)
; FILE REFERENCE: 16153-4247
; CURRENT APPLICATION NUMBER: US/09/579,181
; CURRENT FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/136,620
; PRIOR FILING DATE: 1999-05-27
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 9354
; TYPE: DNA
; ORGANISM: Human
US-09-579-181-10

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	Query Match	6.2%	Score 31.2;	DB 4;	Length 9354;
	Best Local Similarity	50.7%	Pred. No. 5.8;		
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QY	73	TGGCACAGCCGGCGCCGAGGAGGTGCCACACGGGAAGCAGATGAACATAATTTCATT	132		
DB	7278	TGAGGCAGAGATGGGCACAGAGGTGTACCACCAAGCAGAGAGGAGGAAGGAGTTACAAG	7219		
QY	133	TCAAGGCAGTTTTTAAAGAAGTCTTGA	160		
DB	7218	ACAGGTTTGGCTGGAGCGGTGTATGA	7191		

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RESULT 15
US-09-621-976-8976/c
; Sequence 8976; Application US/09621976
; Patent No. 6639083
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621.976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 8976
; LENGTH: 399
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-8976

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[illegible]

GenCore version 5.1.6
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Run on: July 31, 2004, 07:06:00 ; Search time 244.395 Seconds

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Title: US-09-434-382-28_COPY_26164_26664

Perfect score: 501

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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 3222919 seqs, 2451570024 residues

Total number of hits satisfying chosen parameters: 6445838

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

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18: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	501	100.0	26664	10	US-09-988-687-28
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4	303	60.5	655	10	US-09-988-626-27
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6	303	60.5	655	10	US-09-988-686-27
7	303	60.5	2958	10	US-09-988-626-3
8	303	60.5	2958	10	US-09-988-687-3
9	303	60.5	2958	10	US-09-988-686-3
10	299.4	59.8	2907	16	US-10-108-260A-282
11	296.6	59.2	2908	10	US-09-988-626-223
12	296.6	59.2	2908	10	US-09-988-687-223
13	296.6	59.2	2908	10	US-09-988-686-223
14	254.6	50.8	2892	10	US-09-988-626-225

15 254.6 50.8 2892 10 US-09-988-687-225 Sequence 225, Appl
16 254.6 50.8 2892 10 US-09-988-686-225 Sequence 225, Appl
17 95.4 19.0 97 15 US-10-308-891-60 Sequence 60, Appl
18 95.4 19.0 97 15 US-10-308-891-93 Sequence 93, Appl
19 93.8 18.7 97 15 US-10-308-891-53 Sequence 59, Appl
20 93.8 18.7 97 15 US-10-308-891-80 Sequence 80, Appl
21 60 12.0 60 10 US-09-908-975-5139 Sequence 5139, Appl
22 50 10.0 60 16 US-10-131-827-7587 Sequence 7587, Appl
23 37 7.4 734 13 US-10-027-632-11995 Sequence 11995, A
24 37 7.4 734 13 US-10-027-632-11996 Sequence 11995, A
25 37 7.4 734 16 US-10-027-632-11995 Sequence 11995, A
26 37 7.4 734 16 US-10-027-632-11996 Sequence 11996, A
27 34.6 6.9 652 13 US-10-027-632-225490 Sequence 225490,
28 34.6 6.9 652 16 US-10-027-632-225490 Sequence 225490,
29 34.2 6.8 677 13 US-10-027-632-43101 Sequence 43101, A
30 34.2 6.8 677 13 US-10-027-632-43102 Sequence 43102, A
31 34.2 6.8 677 16 US-10-027-632-43101 Sequence 43101, A
32 34.2 6.8 677 16 US-10-027-632-43102 Sequence 43102, A
33 33.8 6.7 128668 13 US-10-087-192-340 Sequence 340, Appl
34 33.6 6.7 480 9 US-09-864-761-15427 Sequence 15427, A
35 33.4 6.7 2260 13 US-10-027-632-101506 Sequence 101506,
36 33.4 6.7 2260 16 US-10-027-632-101506 Sequence 101506,
37 33.4 6.7 5959 15 US-10-311-455-1254 Sequence 1254, Appl
38 33.4 6.7 5959 17 US-10-433-793-110 Sequence 110, Appl
39 33.2 6.6 6022 15 US-10-385-521-11 Sequence 11, Appl
40 33.2 6.6 6022 17 US-10-602-475A-14 Sequence 14, Appl
41 32.2 6.4 633 16 US-10-398-221-2141 Sequence 2141, Appl
42 32.2 6.4 654 16 US-10-398-221-450 Sequence 450, Appl
43 32.2 6.4 2367 17 US-10-437-963-78232 Sequence 78232, A
44 32.2 6.4 513509 10 US-09-754-853A-4 Sequence 4, Appl
45 32.2 6.4 684707 16 US-10-398-221-9 Sequence 9, Appl

ALIGNMENTS

RESULT 1

US-09-988-626-28
; Sequence 28, Application US/09988626
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
; LENGTH: 26664
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (910)..(13104)
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
; NAME/KEY: misc feature
; LOCATION: (13756)..(22917)

OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon 13: 16278-16416; exon 14: 16498-16583; exon 15: 18583-18701; exon 16: 20349-20445; exon 17: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon 21: 23973-24093; exon 22: 24354-24432; exon 23: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T, n at position 13128 is t or tgat; r at
OTHER INFORMATION: positions 22211 and 23879 is A or G.
US-09-988-626-28

Query Match 100.0%; Score 501; DB 10; Length 26664;
Best Local Similarity 100.0%; Pred. No. 7.9e-160;
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db ACTAATTTTCATTTCAAGGAGCTTTTAAAGAGTCTTGGAAACACAGCGGCGGCTTTC 26343

QY 181 CTCTAATCCAGCAAGTGTCTCTGCTGTAGTGGCAGCTGCCCTGTGATCCCGGCTGG 240
Db CTCTAATCCAGCAAGTGTCTCTGCTGTAGTGGCAGCTGCCCTGTGATCCCGGCTGG 26403

QY 241 GGTCTAAGTGTCCGAGCTTAAAGAAATAGTATTTCAGCTGCAATAAGATTTAGTTTG 300
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QY 301 CAATTGTGAGTCTTTTGGCTTCTCTGCTGTAGTGGCAGGCTGCTGTGTCACCC 360
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QY 361 ACCTTGGAGAGGCTCTCTGCTGTAGTGGCAGCTGCCCTGTGATCCCGGCTGG 420
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QY 421 AAGAGTCAAGTCCCGCTGTAGTGGCAGCTCTGGAACCTGTCTCAGAGAGCCACCTT 480
Db AAGAGTCAAGTCCCGCTGTAGTGGCAGCTCTGGAACCTGTCTCAGAGAGCCACCTT 26643

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RESULT 2

US-09-988-687-28
Sequence 28, Application US/09988687
Publication No. US20030045704A1
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,687

CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn ver. 2.0
SEQ ID NO 28
LENGTH: 26664
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (910)..(13104)
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8: 8186-8244; exon 9: 12878-12936; exon 10: 13032-13104;
NAME/KEY: misc feature
LOCATION: (13756)..(22917)
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon 13: 16278-16416; exon 14: 16498-16583; exon 15: 18583-18701; exon 16: 20349-20445; exon 17: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon 21: 23973-24093; exon 22: 24354-24432; exon 23: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T, n at position 13128 is t or tgat; r at
OTHER INFORMATION: positions 22211 and 23879 is A or G.
US-09-988-687-28

Query Match 100.0%; Score 501; DB 10; Length 26664;
Best Local Similarity 100.0%; Pred. No. 7.9e-160;
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db GGTATGGAGCTGTGCCGAGGCTTGGCTCCCAATAGCACTAGTCTATAGATGCTCTT 26223

QY 61 AGGACTGGTGGCTGGCACAGCGCGGCGGAGGCTGCCACAGCAAGCAGCAGATGA 120
Db AGGACTGGTGGCTGGCACAGCGCGGCGGAGGCTGCCACAGCAAGCAGCAGATGA 26283

QY 121 ACTAATTTTCATTTCAAGGAGCTTTTAAAGAGTCTTGGAAACACAGCGGCGGCTTTC 180
Db ACTAATTTTCATTTCAAGGAGCTTTTAAAGAGTCTTGGAAACACAGCGGCGGCTTTC 26343

QY 181 CTCTAATCCAGCAAGTGTCTCTGCTGTAGTGGCAGCTGCCCTGTGATCCCGGCTGG 240
Db CTCTAATCCAGCAAGTGTCTCTGCTGTAGTGGCAGCTGCCCTGTGATCCCGGCTGG 26403

QY 241 GGTCTAAGTGTCCGAGCTTAAAGAAATAGTATTTCAGCTGCAATAAGATTTAGTTTG 300
Db GGTCTAAGTGTCCGAGCTTAAAGAAATAGTATTTCAGCTGCAATAAGATTTAGTTTG 26463

QY 301 CAATTGTGAGTCTTTTGGCTTCTCTGCTGTAGTGGCAGGCTGCTGTGTCACCC 360
Db CAATTGTGAGTCTTTTGGCTTCTCTGCTGTAGTGGCAGGCTGCTGTGTCACCC 26523

QY 361 ACCTTGGAGAGGCTCTCTGCTGTAGTGGCAGCTGCCCTGTGATCCCGGCTGG 420
Db ACCTTGGAGAGGCTCTCTGCTGTAGTGGCAGCTGCCCTGTGATCCCGGCTGG 26583

Db 353 GGTATGGAGCTGTGCCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 412
QY 61 AGGACTGGTGTCTGGCACAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 120
Db 413 AGGACTGGTGTCTGGCACAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 472
QY 121 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAGTCTTTGAAACAGACGCGGCACTTTC 180
Db 473 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAGTCTTTGAAACAGACGCGGCACTTTC 532
QY 181 CTCATATCCAGCAAGTGTATCCCTGCACACAGACAGCAAGCAGAGTAAACAGATCAGTG 240
Db 533 CTCATATCCAGCAAGTGTATCCCTGCACACAGACAGCAAGCAGAGTAAACAGATCAGTG 592
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTTCAGCTGCAATAAGATTTGAGTTTG 300
Db 593 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTTCAGCTGCAATAAGATTTGAGTTTG 652
QY 301 CAA 303
Db 653 CAA 655

RESULT 5

US-09-988-687-27
; Sequence 27, Application US/09988687
; Publication No. US2003045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; PRIOR FILING DATE: 2001-11-20
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
; LENGTH: 655
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)-(228)
; OTHER INFORMATION: exon 24
; NAME/KEY: polyA_signal
; LOCATION: (636)-(641)
US-09-988-687-27

Query Match 60.5%; Score 303; DB 10; Length 655;
Best Local Similarity 100.0%; Pred. No. 7.8e-93;
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTGCCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 60
Db 353 GGTATGGAGCTGTGCCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 412
QY 61 AGGACTGGTGTCTGGCACAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 120
Db 413 AGGACTGGTGTCTGGCACAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 472
QY 121 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAGTCTTTGAAACAGACGCGGCACTTTC 180
Db 473 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAGTCTTTGAAACAGACGCGGCACTTTC 532

QY 181 CTCATATCCAGCAAGTGTATCCCTGCACACAGACAGCAAGCAGATTAACAGATCAGTG 240
Db 533 CTCATATCCAGCAAGTGTATCCCTGCACACAGACAGCAAGCAGATTAACAGATCAGTG 592
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTTCAGCTGCAATAAGATTTGAGTTTG 300
Db 593 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTTCAGCTGCAATAAGATTTGAGTTTG 652
QY 301 CAA 303
Db 653 CAA 655

RESULT 6

US-09-988-686-27
; Sequence 27, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,686
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
; LENGTH: 655
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)-(228)
; OTHER INFORMATION: exon 24
; NAME/KEY: polyA_signal
; LOCATION: (636)-(641)
US-09-988-686-27

Query Match 60.5%; Score 303; DB 10; Length 655;
Best Local Similarity 100.0%; Pred. No. 7.8e-93;
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTGCCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 60
Db 353 GGTATGGAGCTGTGCCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 412
QY 61 AGGACTGGTGTCTGGCACAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 120
Db 413 AGGACTGGTGTCTGGCACAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 472
QY 121 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAGTCTTTGAAACAGACGCGGCACTTTC 180
Db 473 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAGTCTTTGAAACAGACGCGGCACTTTC 532
QY 181 CTCATATCCAGCAAGTGTATCCCTGCACACAGACAGCAAGCAGAGTAAACAGATCAGTG 240
Db 533 CTCATATCCAGCAAGTGTATCCCTGCACACAGACAGCAAGCAGAGTAAACAGATCAGTG 592
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTTCAGCTGCAATAAGATTTGAGTTTG 300
Db 593 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTTCAGCTGCAATAAGATTTGAGTTTG 652

PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 2958
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (51)..(2531)
OTHER INFORMATION: coding sequence as in SEQ ID NO:1
US-09-988-686-3

Query Match 60.5%; Score:303; DB 10; Length 2958;
Best Local Similarity 100.0%; Pred. No. 1.9e-92; Mismatches 0; Indels 0; Gaps 0;
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTGCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 60
DB 2656 GGTATGGAGCTGTGCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 2715

QY 61 AGGACTGGTCCCTGGCAGACCGCGCGGCGGAGGCTGCCACAGGAGCAAGCATGA 120
DB 2716 AGGACTGGTCCCTGGCAGACCGCGCGGCGGAGGCTGCCACAGGAGCAAGCATGA 2775

QY 121 ACTAATTTTCATTTCAAGGAGCTTTTAAAGAAAGTCTTGAACACAGACGCGGCACTTTC 180
DB 2776 ACTAATTTTCATTTCAAGGAGCTTTTAAAGAAAGTCTTGAACACAGACGCGGCACTTTC 2835

QY 181 CTCCTAATCCAGCAAGTGTATCCCTGCCACACAGAGACAGCAAGTAAAGGATCAGTG 240
DB 2836 CTCCTAATCCAGCAAGTGTATCCCTGCCACACAGAGACAGCAAGTAAAGGATCAGTG 2895

QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCAGCTGCAATAAGATTGAGTTG 300
DB 2896 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCAGCTGCAATAAGATTGAGTTG 2955

QY 301 CAA 303
DB 2956 CAA 2958

RESULT 10
US-10-108-260A-282
Sequence 282, Application US/10108260A
Publication No. US20040005560A1
GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: NO. US20040005560A1 full length cDNA
FILE REFERENCE: H1-A0106
CURRENT APPLICATION NUMBER: US/10/108,260A
CURRENT FILING DATE: 2002-03-27
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 282
LENGTH: 2907
TYPE: DNA
ORGANISM: Homo sapiens
US-10-108-260A-282

Query Match 59.8%; Score 299.4; DB 16; Length 2907;
Best Local Similarity 99.7%; Pred. No. 3.2e-91; Mismatches 1; Indels 0; Gaps 0;
Matches 300; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTGCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 60
DB 2607 GGTATGGAGCTGTGCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 2666

QY 61 AGGACTGGTCCCTGGCAGACCGCGGCGGAGGCTGCCACAGGAGCAAGCATGA 120

DB 2667 AGGACTGGTCCCTGGCAGACCGCGGCGGAGGCTGCCACAGGAAAGCAAGCATGA 2726

QY 121 ACTAATTTTCATTTCAAGGAGCTTTTAAAGAAAGTCTTGAACACAGACGCGGCACTTTC 180
DB 2727 ACTAATTTTCATTTCAAGGAGCTTTTAAAGAAAGTCTTGAACACAGACGCGGCACTTTC 2786

QY 181 CTCCTAATCCAGCAAGTGTATCCCTGCCACACAGAGCAAGGAGTAAAGGATCAGTG 240
DB 2787 CTCCTAATCCAGCAAGTGTATCCCTGCCACACAGAGCAAGGAGTAAAGGATCAGTG 2846

QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCAGCTGCAATAAGATTGAGTTG 300
DB 2847 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCAGCTGCAATAAGATTGAGTTG 2906

QY 301 C 301
DB 2907 C 2907

RESULT 11
US-09-988-626-223
Sequence 223, Application US/09988626
Publication No. US20030044959A1
GENERAL INFORMATION:
APPLICANT: Tavtigan, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
TITLE OF INVENTION: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCES: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,626
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 223
LENGTH: 2908
TYPE: DNA
ORGANISM: Pan troglodytes
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2478)
US-09-988-626-223

Query Match 59.2%; Score 296.6; DB 10; Length 2908;
Best Local Similarity 98.7%; Pred. No. 2.9e-90; Mismatches 4; Indels 0; Gaps 0;
Matches 299; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTGCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 60
DB 2606 GGTATGGAGCTGTGCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 2665

QY 61 AGGACTGGTCCCTGGCAGACCGCGGCGGAGGCTGCCACAGGAAAGCAAGCATGA 120
DB 2666 AGGACTGGTCCCTGGCAGACCGCGGCGGAGGCTGCCACAGGAAAGCAAGCATGA 2725

QY 121 ACTAATTTTCATTTCAAGGAGCTTTTAAAGAAAGTCTTGAACACAGACGCGGCACTTTC 180
DB 2726 ACTAATTTTCATTTCAAGGAGCTTTTAAAGAAAGTCTTGAACACAGACGCGGCACTTTC 2785

QY 181 CTCCTAATCCAGCAAGTGTATCCCTGCCACACAGAGCAAGGAGTAAAGGATCAGTG 240
DB 2786 CTCCTAATCCAGCAAGTGTATCCCTGCCACACAGAGCAAGGAGTAAAGGATCAGTG 2845

QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCAGCTGCAATAAGATTGAGTTG 300

Db 2846 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 2905
 QY 301 CAA 303
 |||
 Db 2906 CAA 2908

RESULT 12
 US-09-988-687-223
 ; Sequence 223, Application US/09988687
 ; Publication No. US20030045704A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavtigan, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 ; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09/988,687
 ; CURRENT FILING DATE: 2001-11-20
 ; PRIOR APPLICATION NUMBER: 09/564,805
 ; PRIOR FILING DATE: 2000-05-05
 ; PRIOR APPLICATION NUMBER: US 60/107,468
 ; PRIOR FILING DATE: 1998-11-06
 ; PRIOR APPLICATION NUMBER: 09/434,382
 ; PRIOR FILING DATE: 1999-11-05
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 223
 ; LENGTH: 2908
 ; TYPE: DNA
 ; ORGANISM: Pan troglodytes
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (1)..(2478)
 ; US-09-988-687-223

Query Match 59.2%; Score 296.6; DB 10; Length 2908;
 Best Local Similarity 98.7%; Pred. No. 2.9e-90;
 Matches 299; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTGCCGAGGCTTGGGCTCCACATAGCACTAGTCTATAGATGCTCTT 60
 Db 2606 GGTATGGAGCTGTGCCAAGGCTTGGGCTCCACATAGCACTAGTCTATAGATGCTCTT 2665

QY 61 AGGACTGGTGCTGGCAGACAGCGCGGCGGAGGCTGCCACAGCAAGCAAGCAGATGA 120
 Db 2666 AGGACTGGTGCTGGCAGACAGCGCGGCGGAGGCTGCCACAGCAAGCAAGCAGATGA 2725

QY 121 ACTAATTTCAATTTCAAGGAGTCTTTTAAAGAGTCTTTGAAAGAGTCTTTGAAAGAGTCTTTG 180
 Db 2726 ACTAATTTCAATTTCAAGGAGTCTTTTAAAGAGGCTTTGAAAGAGGCTTTGAAAGAGGCTTTG 2785

QY 181 CTCTAATCCAGCAAGTATTCCTCCACACAGCAGACAGCAGAGTAAACAGATCAGTG 240
 Db 2786 CTCTAATCCAGCAAGTATTCCTCCACACAGCAGACAGCAGAGTAAACAGATCAGTG 2845

QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 300
 Db 2846 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 2905

QY 301 CAA 303
 |||
 Db 2906 CAA 2908

RESULT 13
 US-09-988-686-223
 ; Sequence 223, Application US/09988686
 ; Publication No. US20030120052A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavtigan, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 ; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09/988,626
 ; CURRENT FILING DATE: 2001-11-20
 ; PRIOR APPLICATION NUMBER: 09/564,805
 ; PRIOR FILING DATE: 2000-05-05

; APPLICANT: Tavtigan, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 ; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09/988,686
 ; CURRENT FILING DATE: 2001-11-20
 ; PRIOR APPLICATION NUMBER: 09/564,805
 ; PRIOR FILING DATE: 2000-05-05
 ; PRIOR APPLICATION NUMBER: US 60/107,468
 ; PRIOR FILING DATE: 1998-11-06
 ; PRIOR APPLICATION NUMBER: 09/434,382
 ; PRIOR FILING DATE: 1999-11-05
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 223
 ; LENGTH: 2908
 ; TYPE: DNA
 ; ORGANISM: Pan troglodytes
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (1)..(2478)
 ; US-09-988-686-223

Query Match 59.2%; Score 296.6; DB 10; Length 2908;
 Best Local Similarity 98.7%; Pred. No. 2.9e-90;
 Matches 299; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTGCCGAGGCTTGGGCTCCACATAGCACTAGTCTATAGATGCTCTT 60
 Db 2606 GGTATGGAGCTGTGCCAAGGCTTGGGCTCCACATAGCACTAGTCTATAGATGCTCTT 2665

QY 61 AGGACTGGTGCTGGCAGACAGCGCGGCGGAGGCTGCCACAGCAAGCAAGCAGATGA 120
 Db 2666 AGGACTGGTGCTGGCAGACAGCGCGGCGGAGGCTGCCACAGCAAGCAAGCAGATGA 2725

QY 121 ACTAATTTCAATTTCAAGGAGTCTTTTAAAGAGTCTTTGAAAGAGTCTTTGAAAGAGTCTTTG 180
 Db 2726 ACTAATTTCAATTTCAAGGAGTCTTTTAAAGAGGCTTTGAAAGAGGCTTTGAAAGAGGCTTTG 2785

QY 181 CTCTAATCCAGCAAGTATTCCTCCACACAGCAGACAGCAGAGTAAACAGATCAGTG 240
 Db 2786 CTCTAATCCAGCAAGTATTCCTCCACACAGCAGACAGCAGAGTAAACAGATCAGTG 2845

QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 300
 Db 2846 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 2905

QY 301 CAA 303
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 Db 2906 CAA 2908

RESULT 14
 US-09-988-626-225
 ; Sequence 225, Application US/09988626
 ; Publication No. US20030044959A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavtigan, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 ; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09/988,626
 ; CURRENT FILING DATE: 2001-11-20
 ; PRIOR APPLICATION NUMBER: 09/564,805
 ; PRIOR FILING DATE: 2000-05-05

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; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 225
; LENGTH: 2892
; TYPE: DNA
; ORGANISM: Gorilla gorilla
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-988-626-225

      Query Match      50.8%; Score 254.6; DB 10; Length 2892;
      Best Local Similarity 93.4%; Pred. No. 7.3e-76;
      Matches 283; Conservative 0; Mismatches 4; Indels 16; Gaps 1;

      QY      1 GGTATGGAGCTGTGCCGAGGCTTGGGCTCCACATAAGCACTAGTCTATAGATGCCCTTT 60
      Db      |||
      QY      61 AGGACTGGTCCCTGGCAGCCGCGGCGGAGGCTGCCACACGGAAGCAAGCATGA 120
      Db      |||
      QY      2656 -----GGTGCCTGGCAGCAGCCGCGGAGGCTGCCACACGGAAGCAAGCATGA 2709
      Db      |||
      QY      121 ACTAATTTTCATTTCAAGGCGAGTTTTTAAAGAGAGTCTTGGAAACAGACGCGGCACCTTTC 180
      Db      |||
      QY      2710 ACTAATTTTCATTTCAAGGCGAGTTTTTAAAGAGAGTCTTGGAAACAGACGCGGCACCTTTC 2769
      Db      |||
      QY      181 CTCTAATCCAGCAAAAGTGTATCCCTCCACACCAAGAGAGAGTAAACAGATCAGTG 240
      Db      |||
      QY      2770 CTCTAATCCAGCAAAAGTGTATCCCTCCACACCAAGAGAGAGTAAACAGATCAGTG 2829
      Db      |||
      QY      241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 300
      Db      |||
      QY      2830 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 2889
      Db      |||
      QY      301 CAA 303
      Db      |||
      QY      2890 CAA 2892

      Search completed: July 31, 2004, 13:27:20
      Job time : 246.395 secs

      Query Match      50.8%; Score 254.6; DB 10; Length 2892;
      Best Local Similarity 93.4%; Pred. No. 7.3e-76;
      Matches 283; Conservative 0; Mismatches 4; Indels 16; Gaps 1;

      QY      1 GGTATGGAGCTGTGCCGAGGCTTGGGCTCCACATAAGCACTAGTCTATAGATGCCCTTT 60
      Db      |||
      QY      61 AGGACTGGTCCCTGGCAGCCGCGGCGGAGGCTGCCACACGGAAGCAAGCATGA 120
      Db      |||
      QY      2656 -----GGTGCCTGGCAGCAGCCGCGGAGGCTGCCACACGGAAGCAAGCATGA 2709
      Db      |||
      QY      121 ACTAATTTTCATTTCAAGGCGAGTTTTTAAAGAGAGTCTTGGAAACAGACGCGGCACCTTTC 180
      Db      |||
      QY      2710 ACTAATTTTCATTTCAAGGCGAGTTTTTAAAGAGAGTCTTGGAAACAGACGCGGCACCTTTC 2769
      Db      |||
      QY      181 CTCTAATCCAGCAAAAGTGTATCCCTCCACACCAAGAGAGAGTAAACAGATCAGTG 240
      Db      |||
      QY      2770 CTCTAATCCAGCAAAAGTGTATCCCTCCACACCAAGAGAGAGTAAACAGATCAGTG 2829
      Db      |||
      QY      241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 300
      Db      |||
      QY      2830 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 2889
      Db      |||
      QY      301 CAA 303
      Db      |||
      QY      2890 CAA 2892
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RESULT 15
US-09-988-687-225
; Sequence 225, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.P.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 225
; LENGTH: 2892
; TYPE: DNA
; ORGANISM: Gorilla gorilla
; FEATURE:
; NAME/KEY: CDS
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OM nucleic - nucleic search, using sw model

Run on: July 31, 2004, 05:18:38 ; Search time 240.493 Seconds
(without alignments)
6825.753 Million cell updates/sec

Title: US-09-434-382-3
Perfect score: 2958
Sequence: 1 cgcggcgtagtgaccggc.....aataaagatgagttgtcaa 2958

Scoring table: IDENTITY_NUC
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Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2958	100.0	2958	4	US-09-564-805-3
2	2874.4	97.2	2908	4	US-09-564-805-223
3	2819.6	95.3	2892	4	US-09-564-805-225
4	2481	83.9	2481	4	US-09-564-805-1
5	1645.6	55.6	2470	4	US-09-564-805-221
6	734.8	24.8	783	4	US-09-833-381-2039
7	657.2	22.2	26664	4	US-09-564-805-28
8	655	22.1	655	4	US-09-564-805-27
9	470.4	15.9	536	4	US-09-833-381-2038
10	297.4	10.1	350	4	US-09-564-805-210
11	295	10.0	295	4	US-09-564-805-4
12	237	8.0	238	3	US-09-328-111-315
13	145	4.9	145	4	US-09-564-805-26
14	139	4.7	139	4	US-09-564-805-16
15	139	4.7	139	4	US-09-564-805-20
16	121	4.1	121	4	US-09-564-805-24
17	120	4.1	120	4	US-09-564-805-10
18	119	4.0	119	4	US-09-564-805-18
19	118.4	4.0	326	4	US-09-564-805-212
20	113	3.8	113	4	US-09-564-805-14
21	110	3.7	110	4	US-09-564-805-22
22	100	3.4	100	4	US-09-564-805-23
23	97	3.3	97	4	US-09-564-805-19
24	96	3.2	96	4	US-09-564-805-15
25	86	2.9	86	4	US-09-564-805-17
26	79	2.7	79	4	US-09-564-805-25
27	73	2.5	73	4	US-09-564-805-13

28 71 2.4 71 4 US-09-564-805-6 Sequence 6, Appli
29 69 2.3 69 4 US-09-564-805-9 Sequence 9, Appli
30 65 2.2 65 4 US-09-564-805-7 Sequence 7, Appli
31 59 2.0 59 4 US-09-564-805-11 Sequence 11, Appl
32 59 2.0 59 4 US-09-564-805-12 Sequence 12, Appl
33 58.4 2.0 2517 3 US-09-315-794-51 Sequence 51, Appl
34 58.4 2.0 2517 3 US-09-389-341-51 Sequence 51, Appl
35 58 2.0 58 4 US-09-564-805-8 Sequence 8, Appli
36 53.4 1.8 502 4 US-09-621-976-9869 Sequence 9869, Ap
37 51 1.7 51 4 US-09-564-805-5 Sequence 5, Appli
38 48.6 1.6 4411529 3 US-09-103-840A-1 Sequence 1, Appli
39 48.2 1.6 1926 4 US-09-249-585A-2 Sequence 2, Appli
40 48.2 1.6 1926 4 US-09-410-399-3 Sequence 3, Appli
41 48.2 1.6 2580 3 US-09-050-863-2 Sequence 2, Appli
42 48.2 1.6 2580 4 US-09-359-081-2 Sequence 2, Appli
43 48.2 1.6 5452 2 US-09-130-114-1 Sequence 1, Appli
44 48.2 1.6 8705 4 US-09-647-344A-14 Sequence 14, Appl
45 48.2 1.6 9600 3 US-08-910-647-1 Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-564-805-3
; Sequence 3, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2958
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (51)..(2951)
; OTHER INFORMATION: coding sequence as in SEQ ID NO:1
US-09-564-805-3

Query Match 100.0%; Score 2958; DB 4; Length 2958;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2958; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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2091 ACCCTCTGATACATGAAGCCACCTCGAGAGGATTTGGAGAGAGAGAGAGAGAGAGAGAG 2150
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2401 GCGGCGCTGAGAGATGGGAGCTCAGCAGAAAGCGGCGGCGCACAACAGAGAGGAGG 2460
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2461 AAGAAGTCAAGCCAGTGAAGATCTGGGAGACCTGAACTCAGAAAGCTGTGTCTT 2520
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2631 CCCAGGAGCAGCTCAGGATAGGATGAGTGGAGCTTCCCGAGGCTTGGGCTCCACAT 2690
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2691 AAGCAGTCTATAGATGCTCTTAGGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2750
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2761 TTGGAACACAGCAGCGGCGCACCTTTCTCTAATCCAGAAAGTGAATTCCTGCGACACCA 2820
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2881 TCAGCTGCAATAAAGATTGAGTTTGCA 2908

RESULT 3

US-09-564-805-225
; Sequence 225, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0

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2041	Db	ACCTCTCTGATACATGAAGCCACCCTCGAAGATGGTTTGGAGAGGACGATGGGAAAG	2100
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2101	Db	ACACACGACACACGTCCTCCAGCCATCAGCGTGGGATGCGGATGACCGCGGAGTTCATT	2160
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2161	Db	ATGCTGAACCACTTCAGCCACGCTATGCCAAGTCCCTCTTCAGCCCCAACTTCAGC	2220
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2331	Qy	CCCAAGCTGATTCCTCCACTGAAAGCCCTGTTTGTGCGACATCGAGGAGATGGAGGAG	2390
2281	Db	CCCAAGCTGATTCCTCCACTGAAAGCCCTGTTTGTGCGCGACATCGAGGAGATGGAGGAG	2340
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2341	Db	CGCAGGAGAAAGCGGGAGCTCGCGCAGGTGCGGGCGCCCTCTCTGTCAGGGAGCTGGCA	2400
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2521	Db	CTGCCCCACGACGCGACCCGTATCTGCCCTCCTTGTGTTAGAGCTGAAGACACGGTC	2580
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2581	Db	CCCCAGGAGCGACTCAGGATAGTGGTATGGAGCTGTGCCGAGGCTTGGGCTCCACAT	2640
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2641	Db	AAGCACTAGTCTATA-----GGTGCCTGGCACAGCGCGGGACAGGAG	2684
2751	Qy	CTGCCACACGGAGCAGACAGATGAATATTTTCATTTCAAGCGAGTGTTTTAAAGAGTC	2810
2685	Db	CTGCCACACGGAGCAGACAGATGAATATTTTCATTTCAAGCGAGTGTTTTAAAGAGTC	2744
2811	Qy	TTGGAAACAGACGCGCGCACCTTTCCTCTAATCCAGCAAAGTGATTCCTTCGACACCAGA	2870
2745	Db	TTGGAAACAGACGCGCGCACCTTTCCTCTAATCCAGCAAAGTGATTCCTTCGACACCAGA	2804
2871	Qy	GACAAACGAGTAAACAGGATCAGTGGTCTAAGTGTCCGAGCTTAAACGAAATAGTATT	2930
2805	Db	GACAAACGAGTAAACAGGATCAGTGGTCTAAGTGTCCGAGCTTAAACGAAATAGTATT	2864
2931	Qy	TCAGCTGCATAAAGATTTGAGTTTGCAA	2958
2865	Db	TCAGCTGCATAAAGATTTGAGTTTGCAA	2892

RESULT 4

US-09-564-805-1
Sequence 1, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.

Db 2059 AGGACACACAGCACCACCTCCAGGCTATTATGTGGGATGCGGATGCGAGTTC 2118
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RESULT 6
US-09-833-381-2039
; Sequence 2039, Application US/09833381
; Patent No. 6672186
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; PRIOR FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2039
; LENGTH: 783
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(783)
; OTHER INFORMATION: n = A,T,C or G
US-09-833-381-2039

Query Match 24.8%; Score 734.8; DB 4; Length 783;
Best Local Similarity 98.3%; Pred. No. 6e-190;
Matches 772; Conservative 0; Mismatches 10; Indels 3; Gaps 3;
QY 141 CGCGCGCGCAGGACCCGCTGGGACCTGGCAGCGGAGAGAGCGGACCGTCCGGG 200
Db 1 CGCGCGCGCAGGACCCGCTGGGACCTGGCAGCGGAGAGAGCGGACCGTCCGGG 60
QY 201 TGCTCCGCGCGCCCAACACCGTGTACCTGTCAGGTTGGGCGGAGTGGGAGTCCG 260
Db 61 TGCTCCGCGCGCCCAACACCGTGTACCTGTCAGGTTGGGCGGAGTGGGAGTCCG 119
QY 261 GCGCGCGCGCTTACGTCTTCTCCGAGTTCAACCGGTATCTTCAACTGTGGAGAGGC 320
Db 120 GCGCGCGCGCTTACGTCTTCTCCGAGTTCAACCGGTATCTTCAACTGTGGAGAGGC 179
QY 321 GTTCAGAGCTCATCAGGAGCACAAGTTAAAGTTGCTCCCTGGGACCAATATTCCTG 380
Db 180 GTTCAGAGCTCATCAGGAGCACAAGTTAAAGTTGCTCCCTGGGACCAATATTCCTG 239
QY 381 ACACGAATGCACTGCTTAATGTTGGGGCTTTAAGTGAATGATCTTACTTTAAGGAA 440
Db 240 ACACGAATGCACTGCTTAATGTTGGGGCTTTAAGTGAATGATCTTACTTTAAGGAA 299
QY 441 ACCGGGCTTCCAAAGTGTGTACTTCTTGGACCTCCACAACTGGAAATACTCGAGCA 500

RESULT 7

US-09-564-805-28
; Sequence 28, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
; LENGTH: 26664
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (910)...(13104)
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
; NAME/KEY: misc feature
; LOCATION: (13756)...(22917)
; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
; OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
; OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:

OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon 21: 23973-24093; exon 22: 24354-24432; exon 23: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at positions 1914, 5568, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at positions 22211 and 23879 is A or G.
US-09-564-805-28

Query Match 22.2%; Score 657.2; DB 4; Length 26664;
Best Local Similarity 99.5%; Pred. No. 5.6e-168;
Matches 659; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2297 CATGAGTCTGCTTTGGAGACTTCCACATGCTCCCAAGCTGATTCCTCCCACTGAAGC 2356
DB CTCTAGGCTCTGCTTTGGAGACTTCCACATGCTCCCAAGCTGATTCCTCCCACTGAAGC 25864
QY 2357 CTTGTTTGTGCGCATCGAGAGATGAGGAGCGCAGGGAGAACGCGGAGCTGCGCA 2416
DB CTTGTTTGTGCGCATCGAGAGATGAGGAGCGCAGGGAGAACGCGGAGCTGCGCA 25924
QY 2417 GGTGG 2476
DB GGTGG 25984
QY 2477 GCAGAGCGGG 2536
DB GCGAGAGCGGG 26044
QY 2537 TGGAGAGCCTGAACTCAGAGAGCTGTGTCTTCTGCGCCACGCGCAGCCGCTATCTG 2596
DB TGGAGAGCCTGAACTCAGAGAGCTGTGTCTTCTGCGCCACGCGCAGCCGCTATCTG 26104
QY 2597 CCTCTCTGCTGTAAGCTGAAGAGCAGCGCTCCCGAGGAGGAGCTCAGGATAGTG 2656
DB CCTCTCTGCTGTAAGCTGAAGAGCAGCGCTCCCGAGGAGGAGCTCAGGATAGTG 26164
QY 2657 GTATGAGCTGTGCGAGCTTGGGCTCCCATAGCACTAGTCTATAGATGCTCTTTA 2716
DB GTATGAGCTGTGCGAGCTTGGGCTCCCATAGCACTAGTCTATAGATGCTCTTTA 26224
QY 2717 GCACTGTGCTGGCAGCAGCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 2776
DB GCACTGTGCTGGCAGCAGCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 26284
QY 2777 CTAATTTCATTTCAAGGCAAGTTTTAAAGAAAGCTTGGAAACAGACGCGCGCACCTTTCC 2836
DB CTAATTTCATTTCAAGGCAAGTTTTAAAGAAAGCTTGGAAACAGACGCGCGCACCTTTCC 26344
QY 2837 TCTAATCAGCAAGTGTCTCTGCAACACAGAGCAGCAGTACAGATCAGTGG 2896
DB TCTAATCAGCAAGTGTCTCTGCAACACAGAGCAGCAGTACAGATCAGTGG 26404
QY 2897 GTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTTCAGTGTCAATTAAGATTTGCTTGC 2956
DB GTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTTCAGTGTCAATTAAGATTTGCTTGC 26464
QY 2957 AA 2958
DB 26465 AA 26466

RESULT 8

US-09-564-805-27
Sequence 27, Application US/09564805
Patent No. 633403
GENERAL INFORMATION:

APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 27
LENGTH: 655
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)..(228)
OTHER INFORMATION: exon 24
NAME/KEY: polyA_signal
LOCATION: (636)..(641)
US-09-564-805-27

Query Match 22.1%; Score 655; DB 4; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.8e-168;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2304 GTCTGCTTTGGAGACTTCCACATGCTCCCAAGCTGATTCCTCCCACTGAAGCCTGTTT 2363
DB 1 GTCTGCTTTGGAGACTTCCACATGCTCCCAAGCTGATTCCTCCCACTGAAGCCTGTTT 60
QY 2364 GTTGGGCAATCATCAGAGATGAGGAGCGCAGGGAGAACGCGGAGCTGCGGAGTGGCG 2423
DB 61 GCTGGGCAATCATCAGAGATGAGGAGCGCAGGGAGAACGCGGAGCTGCGGAGTGGCG 120
QY 2424 GCGGCGCTCTGCTCAGGAGCTGGCAGCGGCTGAGAGTGGGAGCTCAGCAGAAAG 2483
DB 121 GCGGCGCTCTGCTCAGGAGCTGGCAGCGGCTGAGAGTGGGAGCTCAGCAGAAAG 180
QY 2484 CCGGCGCGCACACAGAGAGCGCACAGGCGCAAGAGTTCAGAGCCCAAGTGAAGATCTGGAGA 2543
DB 181 CCGGCGCGCACACAGAGAGCGCACAGGCGCAAGAGTTCAGAGCCCAAGTGAAGATCTGGAGA 240
QY 2544 CCTGAACTCAGAGAGCTGTGTCTTCTGCGCCACGCGCAGCAGCGCTCTGCGCTCTCT 2603
DB 241 CCTGAACTCAGAGAGCTGTGTCTTCTGCGCCACGCGCAGCAGCGCTCTGCGCTCTCT 300
QY 2604 TGCTGTAGAGCTGAAGAGCAGCGTCCCGAGGAGGAGCTCAGGATAGTGGTATGGA 2663
DB 301 TGCTGTAGAGCTGAAGAGCAGCGTCCCGAGGAGGAGCTCAGGATAGTGGTATGGA 360
QY 2664 GCTGTGCGAGGCTTGGGCTCCCATAGCACTAGTCTATAGTCCCTTTAGGACTGG 2723
DB 361 GCTGTGCGAGGCTTGGGCTCCCATAGCACTAGTCTATAGTCCCTTTAGGACTGG 420
QY 2724 TGCTGTGCGAGGCTTGGGCTCCCATAGCACTAGTCTATAGTCCCTTTAGGACTGG 2783
DB 421 TGCTGTGCGAGGCTTGGGCTCCCATAGCACTAGTCTATAGTCCCTTTAGGACTGG 480
QY 2784 CATTTCAAGGCTTTTAAAGAGTCTTGGAAACAGACGCGGCGCACCTTCTCTAATC 2843
DB 481 CATTTCAAGGCTTTTAAAGAGTCTTGGAAACAGACGCGGCGCACCTTCTCTAATC 540
QY 2844 CAGCAAGTGTATTCCTGCAACACAGAGCAAGAGTAAACAGGATCAGTGGGCTTAAG 2903
DB 541 CAGCAAGTGTATTCCTGCAACACAGAGCAAGAGTAAACAGGATCAGTGGGCTTAAG 600
QY 2904 TGTCGAGACTTAACGAAATAGTATTTTTCAGTGTCAATTAAGATGAGTTTGC 2958

Db 601 TGTCGAGCACTAACGAAATAGTATTTCAGCTGCATTAAGATTGATTGGCA 655

RESULT 9

US-09-833-381-2038

Sequence 2038, Application US/09833381

Patent No. 6672186

GENERAL INFORMATION:

APPLICANT: Robison, Keith E.

TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs

FILE REFERENCE: 5800-119

CURRENT APPLICATION NUMBER: US/09/833,381

CURRENT FILING DATE: 2001-04-11

PRIOR APPLICATION NUMBER: 09/516,448

PRIOR FILING DATE: 2000-02-29

NUMBER OF SEQ ID NOS: 2050

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 2038

LENGTH: 536

TYPE: DNA

ORGANISM: Homo sapiens

US-09-833-381-2038

Query Match 15.9%; Score 470.4; DB 4; Length 536;

Best Local Similarity 99.8%; Pred. No. 4.1e-118;

Matches 471; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 141 CGGCGCGCAGGACCCGCTCGGCACCTCGGCACGCGAGAGAGCGCGGACCTCGGG 200

Db 1 CGGCGCGCAGGACCCGCTCGGCACCTCGGCACGCGAGAGAGCGCGGACCTCGGG 60

Qy 201 TGCTCCCGCGCGCCAAAACACCGTGTACCTGCAGGTGTGTGGCAGCGGGTAGCCGGGACTCG 260

Db 61 TGCTCCCGCGCGCCAAAACACCGTGTACCTGCAGGTGTGTGGCAGCGGGTAGCCGGGACTCG 120

Qy 261 GGCGCGGGCTCTACGTCTTCTCCGAGTTCAACCGGTATCTTCACTGTGGAGAGGC 320

Db 121 GGCGCGGGCTCTACGTCTTCTCCGAGTTCAACCGGTATCTTCACTGTGGAGAGGC 180

Qy 321 GTTCAGAGACPTCATGCGAGGACCAAGTTAAAGGTGCTGCCCTGGCAACATATTCCTG 380

Db 181 GTTCAGAGACTCATGCGAGGACCAAGTTAAAGGTGCTGCCCTGGCAACATATTCCTG 240

Qy 381 ACAGAAATGCACTGGTCTAAATGTTGGGGCTTAAAGTGAATGATTTACTTTAAAGAA 440

Db 241 ACAGAAATGCACTGGTCTAAATGTTGGGGCTTAAAGTGAATGATTTACTTTAAAGAA 300

Qy 441 ACCGGGCTTCCAAAGTGTGTACTTCTGGACCTCCCAACTGGAAATACCTCGAGCA 500

Db 301 ACCGGGCTTCCAAAGTGTGTACTTCTGGACCTCCCAACTGGAAATACCTCGAGCA 360

Qy 501 ATCAAAATATTTCTGGTCCATTGAAAGGAATAGAACTGGCTGTGCGGCCCACTCTGCC 560

Db 361 ATCAAAATATTTCTGGTCCATTGAAAGGAATAGAACTGGCTGTGCGGCCCACTCTGCC 420

Qy 561 CCAGAAATACGAGGATGAACCACTGACAGTTTACCAGATCCCCATACACAGTG 612

Db 421 CCAGAAATACGAGGATGAACCACTGACAGTTTACCAGATCCCCATACACAGTG 472

RESULT 10

US-09-564-805-210

Sequence 210, Application US/09564805

Patent No. 6333403

GENERAL INFORMATION:

APPLICANT: Tavligian, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

APPLICANT: Myriad Genetics, Inc.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes


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/ PRIOR APPLICATION NUMBER: US 60/107,468
/ PRIOR FILING DATE: 1998-11-06
/ PRIOR APPLICATION NUMBER: 09/434,382
/ PRIOR FILING DATE: 1999-11-05
/ NUMBER OF SEQ ID NOS: 240
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 16
/ LENGTH: 139
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (1)-(139)
/ OTHER INFORMATION: exon 13
/
US-09-564-805-16

Query Match      4.7%; Score 139; DB 4; Length 139;
Best Local Similarity 100.0%; Pred. No. 2.7e-28;
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1130 GTTGGGCTGACACCGAGCACTTGGTCTGTAATGAGAACTGTGCTCAGTTCAACCT 1189
D5 1 GTTGGGCTGACACCGAGCACTTGGTCTGTAATGAGAACTGTGCTCAGTTCAACCT 60
QY 1190 TCGCAGCCACAGATTCAAAACCCAGCTCAACCTCATCCACCGGACATCTTCCCGCTGCT 1249
D5 61 TCGCAGCCACAGATTCAAAACCCAGCTCAACCTCATCCACCGGACATCTTCCCGCTGCT 120
QY 1250 CACAGTTTCGCTCTAAG 1268
D5 121 CACAGTTTCGCTCTAAG 139
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RESULT 15
US-09-564-805-20
/ Sequence 20, Application US/09564805
/ Patent No. 6333403
/ GENERAL INFORMATION:
/ APPLICANT: Tavtigian, Sean V.
/ APPLICANT: Teng, David H.F.
/ APPLICANT: Simard, Jacques
/ APPLICANT: Rommens, Johanna M.
/ APPLICANT: Myriad Genetics, Inc.
/ TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
/ TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
/ FILE REFERENCE: 2318-258
/ CURRENT APPLICATION NUMBER: US/09/564,805
/ CURRENT FILING DATE: 2000-05-05
/ PRIOR APPLICATION NUMBER: US 60/107,468
/ PRIOR FILING DATE: 1998-11-06
/ PRIOR APPLICATION NUMBER: 09/434,382
/ PRIOR FILING DATE: 1999-11-05
/ NUMBER OF SEQ ID NOS: 240
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 20
/ LENGTH: 139
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (1)-(139)
/ OTHER INFORMATION: exon 17
/
US-09-564-805-20

Query Match      4.7%; Score 139; DB 4; Length 139;
Best Local Similarity 100.0%; Pred. No. 2.7e-28;
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1571 CCCGACAGCTCTGCTACTGCTGAGTGGTGGGACATTTGGGAGCTGTGCCGTCA 1630
D5 1 CCCGACAGCTCTGCTACTGCTGAGTGGTGGGACATTTGGGAGCTGTGCCGTCA 60
QY 1631 TTACGAGACAGGTTGGACAGGGTCTTGGGCCACCTGGCTGCTGTTTGTGTCCACCT 1690
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D5 61 TTACGAGACAGGTTGGACAGGGTCTTGGGCCACCTGGCTGCTGTTTGTGTCCACCT 120
QY 1691 GCACGCGAGATCACCACACG 1709
D5 121 GCACGCGAGATCACCACACG 139

Search completed: July 31, 2004, 07:25:52
Job time : 247.493 secs
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QY 1 CGCGGCGTAGGTACCGCGGCTTTCTCAGTTTTGGTGGAGACGGGCGCATGTGGCGC 60
DB 1 CGCGGCGTAGGTACCGCGGCTTTCTCAGTTTTGGTGGAGACGGGCGCATGTGGCGC 60
QY 61 TTTGCTCGCTGTCGGGTCCGCGGCGGACCGACCATGTTCGACGGGACGACCATATCGC 120
DB 61 TTTGCTCGCTGTCGGGTCCGCGGCGGACCGACCATGTTCGACGGGACGACCATATCGC 120
QY 121 AGGCAACCGCGCGCGGAGCGGCGCGCAAGAGACCGCGCTCGGCACTTCGGGACGGAG 180
DB 121 AGGCAACCGCGCGCGGAGCGGCGCGCAAGAGACCGCGCTCGGCACTTCGGGACGGAG 180
QY 181 AGAGCGGGACCGTTCGGGCTCGCGGCGGCGCAACACCGTGTACTCGAGTGGTGG 240
DB 181 AGAGCGGGACCGTTCGGGCTCGCGGCGGCGCAACACCGTGTACTCGAGTGGTGG 240
QY 241 CAGCGGCTAGCGGAGCTCGGCGCGGCGCTCTACGTTCTCCGAGTTCAACCGGTATC 300
DB 241 CAGCGGCTAGCGGAGCTCGGCGCGGCGCTCTACGTTCTCCGAGTTCAACCGGTATC 300
QY 301 TCTTCAACTGTGGAGAGCGGCTTCAGAGACTCATCGAGGACCAAGTTAAAGTTGCTC 360
DB 301 TCTTCAACTGTGGAGAGCGGCTTCAGAGACTCATCGAGGACCAAGTTAAAGTTGCTC 360
QY 361 GCCTGGACCAATATTCCTGACGGAATGCACTGGTCTAATGTTGGGGCTTAAAGTGAA 420
DB 361 GCCTGGACCAATATTCCTGACGGAATGCACTGGTCTAATGTTGGGGCTTAAAGTGAA 420
QY 421 TGAATCTTACTTAAAGAAACCGGCTTCAAGTGTGTACTTTTGGACCTCCACAAC 480
DB 421 TGAATCTTACTTAAAGAAACCGGCTTCAAGTGTGTACTTTTGGACCTCCACAAC 480
QY 481 TGGAAAAATACCTCGAAGCAATCAAAATATTTCTGGTCCATTCGAAAGGAATAGAACTGG 540
DB 481 TGGAAAAATACCTCGAAGCAATCAAAATATTTCTGGTCCATTCGAAAGGAATAGAACTGG 540
QY 541 CTGTGCGGCGGCACTCTCGGCGGAGATGAGAGATGAAACCATGACAGTTTACAGATCC 600
DB 541 CTGTGCGGCGGCACTCTCGGCGGAGATGAGAGATGAAACCATGACAGTTTACAGATCC 600
QY 601 CCATACAGTGAACAGAGAGGGGAGAGCAACCATGCGAGTCCAGAAAGGCGTC 660
DB 601 CCATACAGTGAACAGAGAGGGGAGAGCAACCATGCGAGTCCAGAAAGGCGTC 660
QY 661 TCAGCAGGCTCAGTCCAGAGCGATCTTCAGATCCGAGTCCGAGTCCGAGTCCGAGTCC 720
DB 661 TCAGCAGGCTCAGTCCAGAGCGATCTTCAGATCCGAGTCCGAGTCCGAGTCCGAGTCC 720
QY 721 TTCCATGTTGTTAGCAGAGAGAGGGGTTCAGGACTCTTCCGTGCTAGCTTTCA 780
DB 721 TTCCATGTTGTTAGCAGAGAGAGGGGTTCAGGACTCTTCCGTGCTAGCTTTCA 780
QY 781 TCTGTAAGCTTCACTTAAAGAGAGAAACTTCTTGGTCTCAAGCAAAAGAGATGGGCC 840
DB 781 TCTGTAAGCTTCACTTAAAGAGAGAAACTTCTTGGTCTCAAGCAAAAGAGATGGGCC 840
QY 841 TCCGAGTTGGGACAGTCCGCTCCCATCTGCTGCTCAAGAGCGGGAAGCA 900
DB 841 TCCGAGTTGGGACAGTCCGCTCCCATCTGCTGCTCAAGAGCGGGAAGCA 900
QY 901 TCACCTCATGAGAGAGAGATTTGGCTGAGAGCTGTGACTCTCCAGATCCTGGTG 960
DB 901 TCACCTCATGAGAGAGAGATTTGGCTGAGAGCTGTGACTCTCCAGATCCTGGTG 960
QY 961 CTGCTTTTGTGGTGAATGTCCAGATGAAGCTTCATTCACCCCATCTGTGAGATG 1020
DB 961 CTGCTTTTGTGGTGAATGTCCAGATGAAGCTTCATTCACCCCATCTGTGAGATG 1020
QY 1021 CCACCTTTTCAGAGGTACCAAGGAAGGAGATGCCCGTGGCTTGTGGTTTCAATGG 1080
DB 1021 CCACCTTTTCAGAGGTACCAAGGAAGGAGATGCCCGTGGCTTGTGGTTTCAATGG 1080
QY 1081 CCCAGCATCTGTGTTGTGGACAGAGGTACAGAGGTTCGAGAGGTTTGGGCGTG 1140

DB 1081 CCCAGCATCTGTGTTGTGGACAGAGTACCAGAGTGGATGGAGGTTTGGGCGTG 1140
QY 1141 ACACCCAGCACTTTGGTCTGGAATGAGAACTGTGCTCAGTTCAAACTTCGACGCCACA 1200
DB 1141 ACACCCAGCACTTTGGTCTGGAATGAGAACTGTGCTCAGTTCAAACTTCGACGCCACA 1200
QY 1201 AGATTCAAAACCCAGCTCAACCTCAACCCGCACTTCCCTGCTCAACAGTTTCC 1260
DB 1201 AGATTCAAAACCCAGCTCAACCTCAACCCGCACTTCCCTGCTCAACAGTTTCC 1260
QY 1261 GCTGTAAGAAAGAGGCGGCCACCTCAGTGTGCCCATGGTTCAGGTTGAATGCTCTCA 1320
DB 1261 GCTGTAAGAAAGAGGCGGCCACCTCAGTGTGCCCATGGTTCAGGTTGAATGCTCTCA 1320
QY 1321 AGTACAGCTCCGTCCAGAGGAGTGGCAGAGGATGCCATTTACTTGCATCTG 1380
DB 1321 AGTACAGCTCCGTCCAGAGGAGTGGCAGAGGATGCCATTTACTTGCATCTG 1380
QY 1381 AGGAATTCATAGTTGAGGCGCTGACGCTTCCCACTTCCAGCAGAGCGTGCAGAGTACA 1440
DB 1381 AGGAATTCATAGTTGAGGCGCTGACGCTTCCCACTTCCAGCAGAGCGTGCAGAGTACA 1440
QY 1441 GGAGGAGTCCGACAGACCGGCCAGCAGAGAGAAAGTCACTACCCAGAAATCA 1500
DB 1441 GGAGGAGTCCGACAGACCGGCCAGCAGAGAGAAAGTCACTACCCAGAAATCA 1500
QY 1501 TCTTCTTGGAAACAGGCTCTGCCATCCCGATCGAAATCGAAATGTCAGTGCACACTTG 1560
DB 1501 TCTTCTTGGAAACAGGCTCTGCCATCCCGATCGAAATCGAAATGTCAGTGCACACTTG 1560
QY 1561 TCAACATAAGCCCGACAGCTCTCTGCTACTGGAATGTTGGTGGGCACTTTGGGCGC 1620
DB 1561 TCAACATAAGCCCGACAGCTCTCTGCTACTGGAATGTTGGTGGGCACTTTGGGCGC 1620
QY 1621 TGTGCGCTCATTTACGAGACAGGTTGGACAGGCTCTTGGGCACTTGTGTGTTG 1680
DB 1621 TGTGCGCTCATTTACGAGACAGGTTGGACAGGCTCTTGGGCACTTGTGTGTTG 1680
QY 1681 TGTCCCACCTGACGAGATCACACGCGGCTTCCCAAGTATCTTGTGACAGAGAAC 1740
DB 1681 TGTCCCACCTGACGAGATCACACGCGGCTTCCCAAGTATCTTGTGACAGAGAAC 1740
QY 1741 GGGCTTGGCATTTTGGGAAAGCGCTTCACTTGTGTTGGTGTGCCCCAACCCAGC 1800
DB 1741 GGGCTTGGCATTTTGGGAAAGCGCTTCACTTGTGTTGGTGTGCCCCAACCCAGC 1800
QY 1801 TCAAGSCCTGGCTCCAGCAGTACCAACAGTGCAGAGGCTCTGCAACCATCATGTA 1860
DB 1801 TCAAGSCCTGGCTCCAGCAGTACCAACAGTGCAGAGGCTCTGCAACCATCATGTA 1860
QY 1861 TGAATCTGCGAAATGCTTTCAGGAGGGCTGAGATCTCCAGTCTTCAGTGGAAAGAT 1920
DB 1861 TGAATCTGCGAAATGCTTTCAGGAGGGCTGAGATCTCCAGTCTTCAGTGGAAAGAT 1920
QY 1921 TGAATCAGTTGCTGTTTGGCAACATGTGATTTGGAAGAGTTTCAGACCTGTGTGCGGC 1980
DB 1921 TGAATCAGTTGCTGTTTGGCAACATGTGATTTGGAAGAGTTTCAGACCTGTGTGCGGC 1980
QY 1981 ACTGGAAGCATGCTTGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2040
DB 1981 ACTGGAAGCATGCTTGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2040
QY 2041 CCGGGGACACCATGCCCTCGGAGGCTCTGGTCCGATGGGAAAGATGCCACCTCTCTGA 2100
DB 2041 CCGGGGACACCATGCCCTCGGAGGCTCTGGTCCGATGGGAAAGATGCCACCTCTCTGA 2100
QY 2101 TACATGAAGCCACCTTGGAGAGTGTGGAAGAGAGAGTGTGGAAGAGACACAGCA 2160
DB 2101 TACATGAAGCCACCTTGGAGAGTGTGGAAGAGAGAGTGTGGAAGAGACACAGCA 2160
QY 2161 CACAGTCCCAAGCCATCAGCTGGGATGCGGATCAACGCGAGTTCATTTGCTGTAACC 2220

Db 2161 CAACGTCCCAAGCCATCAGCGTGGGATGCGGATGAACGCGAGTTTCATTATGCTGAACC 2220
Qy 2221 ACTTCAGCCAGCGGTATGCCAAGGTCCGCCCTCTTCAGCCCCAACTTCAGCGGAGAAAGTGG 2280
Db 2221 ACTTCAGCCAGCGGTATGCCAAGGTCCGCCCTCTTCAGCCCCAACTTCAGCGGAGAAAGTGG 2280
Qy 2281 GAGTTCCTTTGACCAATAGAGTGTCTTTGAGAGCTTTCGAAATGCGGAGGAGTGA 2340
Db 2281 GAGTTCCTTTGACCAATAGAGTGTCTTTGAGAGCTTTCGAAATGCGGAGGAGTGA 2340
Qy 2341 TTCGCCCACTGAAGCCCTGTTGCTGGCGACATCGAGGAGATCGAGGAGCGCAGGAGAGA 2400
Db 2341 TTCGCCCACTGAAGCCCTGTTGCTGGCGACATCGAGGAGATCGAGGAGCGCAGGAGAGA 2400
Qy 2401 AGCGGAGCTCGGAGCTGCGGCGGCCCTCTCTGTCGAGGAGCTGCGAGGCGGCGCTGG 2460
Db 2401 AGCGGAGCTCGGAGCTGCGGCGGCCCTCTCTGTCGAGGAGCTGCGAGGCGGCGCTGG 2460
Qy 2461 AGGATGGGGAGCTTCAGAGAGCGGCGCCACACAGAGGAGCCACAGGCCAAGAGGTCA 2520
Db 2461 AGGATGGGGAGCTTCAGAGAGCGGCGCCACACAGAGGAGCCACAGGCCAAGAGGTCA 2520
Qy 2521 GAGCCCACTGAAGATCTGGGAGAGCCCTGAACTCAGAAAGGCTGTGTCTCTGCGCCCAAG 2580
Db 2521 GAGCCCACTGAAGATCTGGGAGAGCCCTGAACTCAGAAAGGCTGTGTCTCTGCGCCCAAG 2580
Qy 2581 CAGCACCCTGATCTGCGCTCTCTGCTGGTGAAGCTGAAGAGCAGCGTCCCCCAGAGG 2640
Db 2581 CAGCACCCTGATCTGCGCTCTCTGCTGGTGAAGCTGAAGAGCAGCGTCCCCCAGAGG 2640
Qy 2641 CAGCTCAGGATAGTGTGATGGAGCTGTGCGCGAGCTTGGGCTCCCAATAGCACTAGT 2700
Db 2641 CAGCTCAGGATAGTGTGATGGAGCTGTGCGCGAGCTTGGGCTCCCAATAGCACTAGT 2700
Qy 2701 CTATAGATGCTCTTAGAGCTGTGCTGCGGACAGCGCGCGGCGGAGGCTGCCACAG 2760
Db 2701 CTATAGATGCTCTTAGAGCTGTGCTGCGGACAGCGCGCGGCGGAGGCTGCCACAG 2760
Qy 2761 GAAGCAAGCAGATGAATTAATTCATTTCAAGGAGCTTTTAAAGAGTCTTGAAGAACAG 2820
Db 2761 GAAGCAAGCAGATGAATTAATTCATTTCAAGGAGCTTTTAAAGAGTCTTGAAGAACAG 2820
Qy 2821 ACGGCGGACCTTCTCTTAATCCAGCAAGTGTTCCTGTCACACAGGAGAGCAAGCAGA 2880
Db 2821 ACGGCGGACCTTCTCTTAATCCAGCAAGTGTTCCTGTCACACAGGAGAGCAAGCAGA 2880
Qy 2881 GTAACAGGATCAGTGGGTCTAAGTGTGCGAGACTTACGAAATAGTATTTCAGCTCAA 2940
Db 2881 GTAACAGGATCAGTGGGTCTAAGTGTGCGAGACTTACGAAATAGTATTTCAGCTCAA 2940
Qy 2941 TAAAGATTGAGTTGCAA 2958
Db 2941 TAAAGATTGAGTTGCAA 2958

RESULT 2
US-09-988-687-3
; Sequence 3, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-238
; CURRENT APPLICATION NUMBER: US/09/988,687
; CURRENT FILING DATE: 2001-11-20
; PRIOR FILING DATE: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468

; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 3
; LENGTH: 2958
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (51)-(2531)
; OTHER INFORMATION: coding sequence as in SEQ ID NO:1
US-09-988-687-3

Query Match 100.0%; Score 2958; DB 10; Length 2958;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2958; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 61 TTTGCTCGTGTCTGCGGTCGCGGCGGAGCGGAGCCATGTGCGAGGAGCAGCATATCG 120
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Db 121 AGGACACCGCGCGCGGAGCGGCGGAGCCGCAAGAACCCGCTGCGGACCTTGGGACGCGAG 180
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Db 181 AGAAGCGCGGACCGTCTGCGGCTGCTCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 240
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Qy 301 TCTTCAACTGTGGAGAGCGGCTTCAGAGACTCATGCGAGGAGCAGAGTTAAAGTTGCTC 360
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Qy 361 GCCTGACACATATTTCTTGACACGAAATGCACTGTCTAATGTGGGCGCTTAAAGTGA 420
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Db 421 TGATTTCTTAAAGGAAACCGGCTTCCAAAGTGTGTACTTTCTGACCTCCACAC 480
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Db 541 CTGTGCGGCGGCTCTGCGGCGGAGATGAGAGTGAACCAATGACAGTTTACCAATCC 600
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Db 601 CCATACAGTGAACAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 660
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Db 661 TCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCCGAGTCCGAGTCCGAGTCCGAG 720
Qy 721 TTCACATGGTGTAGCAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 780
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Qy 781 TCTGTAAAGCTTCACTTAAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 840

Db 781 TCTGTAAGCTTCACITTAAGAGAGGAAACTTCTTGGTGTCTCAAGCAAAAGAGANTGGGCC 840
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Db 1081 CCCCAGCATCTGTGCTTGTGACACAGGTACCCAGCTGGATGGAGAGTTTGGGCTG 1140
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Db 1141 ACACCCAGCACTTGTCTCTGAATGAGAACTGTGCTCAGTTTCAACACCTTCGACGCCACA 1200
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Db 1921 TGATCAAGTTGCTGTTGGCAACATGTGATTTGGAAGAGTTTCAGACCTGTCTGTGTGGCGC 1980
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Db 2941 TAAAGATTGAGTTTGGCAA 2958

RESULT 3

US-09-988-686-3
; Sequence 3, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: Gene and a Paralog and Orthologous Genes
; CURRENT FILING DATE: 2001-11-20
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,469
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2958
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (51)-(2531)
; OTHER INFORMATION: coding sequence as in SEQ ID NO:1
US-09-988-686-3

Query Match 100.0%; Score 2958; DB 10; Length 2958;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2958; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 781 TCTGTAAGCTTCACTTAAAGAGAGAACTTCTTGGTGTCAAAGCAAAAGAGATGGGCC 840
QY 841 TCCAGTTGGGACAGCTGCCATCGTCCCATCATTTGCTGTCAAGGACGGGAAAGCA 900
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Db 961 CTGCTTTTGTGGTGTAGAAATGTCCAGATGAAGCTTCAATCAACCCATCTGTGAGAATG 1020
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Db 1021 CACCTTTTCAGAGTACCAAGGAGAGATGCCCCCGTGGCTTGGTGTTCACATGG 1080
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QY 1141 ACACCAGCAGCTTGTGCTGAATGAGAACTGTGCTCAGTTCAACACCTTGGCAGGCACA 1200
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Db 301 AAGGTTGCTGCTCGGACAA|CATATTC|CTGAC|CGAATG|CACTGGTCT|TAATGTTGGGGC 360
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Qy 591 TACCAGATCCCA|TACACAGTGA|ACAGAGGAGG|GAAGCA|CAACCATG|GGCAGG|TCCA 650
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Db 1621 GCTGTGTTTGTGTCC|CACCTGCAC|GATACCA|CAGCGGCTTCC|CAAGTATCTTGTG 1680
Qy 1731 CAGAGAGAACGGCCTTGGCATCTTTGG|AAAGCGCTTCA|CCCTTGCCTTGTG|TGTG|GCC 1790
Db 1681 CAGAGAGAACGGCCTTGGCATCTTTGG|AAAGCGCTTCA|CCCTTGCCTTGTG|TGTG|GCC 1740
Qy 1791 CCCAAC|CAGCTCAAA|GCGCTGGCTCC|CAGCAGTACCA|CAAC|CAGTGC|CAGGAGTCC|TG|CAC 1850
Db 1741 CCCAAC|CAGCTCAAA|GCGCTGGCTCC|CAGCAGTACCA|CAAC|CAGTGC|CAGGAGTCC|TG|CAC 1800
Qy 1851 CACATCAGTATGATTCCTGCC|AAATGCC|TTT|CAGG|AAGGGGCTGAGATCTC|CAGTCTCGA 1910
Db 1801 CACATCAGTATGATTCCTGCC|AAATGCC|TTT|CAGG|AAGGGGCTGAGATCTC|CAGTCTCGA 1860
Qy 1911 GTGGAAGATTCATCAGTTCGCTGTG|CGAACA|TGTG|ATTTCG|AAGAGTTCAGACCTGT 1970
Db 1861 GTGGAAGATTCATCAGTTCGCTGTG|CGAACA|TGTG|ATTTCG|AAGAGTTCAGACCTGT 1920
Qy 1971 CTGGTCCGGC|ACTGCAAGCATGCGTTTGGCTGTG|CGCTGGTGCACACCTCTGGCTG|GAAA 2030
Db 1921 CTGGTCCGGC|ACTGCAAGCATGCGTTTGGCTGTG|CGCTGGTGCACACCTCTGGCTG|GAAA 1980
Qy 2031 GTGGTCTATTTCCGGGACACCATG|CCCTCGAGGCTCTGGTCCG|GATGGG|AAGATGCC 2090
Db 1981 GTGGTCTATTTCCGGGACACCATG|CCCTCGAGGCTCTGGTCCG|GATGGG|AAGATGCC 2040
Qy 2091 ACCCTCTCATATCATGAAGCC|ACCTCGAAGATG|GTTTGGAA|GAGGAA|CAGTGG|AAAAAG 2150
Db 2041 ACCCTCTCATATCATGAAGCC|ACCTCGAAGATG|GTTTGGAA|GAGGAA|CAGTGG|AAAAAG 2100
Qy 2151 ACACACAGCA|CAACGTC|CCAA|GCGATCAGG|TGGGATGCGG|GATGAAC|CGGAGTTCATTT 2210
Db 2101 ACACACAGCA|CAACGTC|CCAA|GCGATCAGG|TGGGATGCGG|GATGAAC|CGGAGTTCATTT 2160
Qy 2211 ATGCTGAAC|CACTTCAGCC|CAGCGCTATGCC|AAGTCC|CTCTTCA|GCCCC|CACTTC|CAGC 2270
Db 2161 ATGCTGAAC|CACTTCAGCC|CAGCGCTATGCC|AAGTCC|CTCTTCA|GCCCC|CACTTC|CAGC 2220
Qy 2271 GAGAAAGTGGAGTTC|GCTTTG|ACCA|CATGAAGGTCTG|CTTTGGAG|CACTTTCCAA|CAATG 2330
Db 2221 GAGAAAGTGGAGTTC|GCTTTG|ACCA|CATGAAGGTCTG|CTTTGGAG|CACTTTCCAA|CAATG 2280
Qy 2331 CCCAAGCTGATTTCC|CACTGAAG|CGCTGTTTGTG|GCGG|CAGATCCAG|GAGATGGAGGAG 2390
Db 2281 CCCAAGCTGATTTCC|CACTGAAG|CGCTGTTTGTG|GCGG|CAGATCCAG|GAGATGGAGGAG 2340
Qy 2391 CGCAGGAGAA|GCGGGAGCTG|CGG|CAGGTG|CGG|CGG|CCCTCTGT|CCAGGGAGCTGGCA 2450
Db 2341 CGCAGGAGAA|GCGGGAGCTG|CGG|CAGGTG|CGG|CGG|CCCTCTGT|CCAGGGAGCTGGCA 2400
Qy 2451 GGGG|GCTTGAGGATGGG|AGCCTCAGCAGAA|CGG|GCG|CCCA|CAGAGGAGCC|CAGG|CC 2510
Db 2401 GGGG|GCTTGAGGATGGG|AGCCTCAGCAGAA|CGG|GCG|CCCA|CAGAGGAGCC|CAGG|CC 2460
|||||

QY 2511 AAGAAGTTCAGAGCCAGTGAAGATCTGGGAGACCTGAACTCAGAAGCTGTGTGTTT 2570
DB 2461 AAGAAGTTCAGAGCCAGTGAAGATCTGGGAGACCTGAAATTCAGAAGGCTGTGTGTTT 2520
QY 2571 CTGCCCCAGCGACCCGATATCTGCCCTCTTCTGCTGTAGAGCTGAAGACGCGTC 2630
DB 2521 CTGCCCCAGCGACCCGATATCTGCCCTCTTCTGCTGTAGAGCTGAAGACGCGTC 2580
QY 2631 CCCAGGAGCGAGCTCAGATAGTGTATGAGAGCTGTGCCAGGCTTGGGCTCCACAT 2690
DB 2581 CCCAGGAGCGAGCTCAGATAGTGTATGAGAGCTGTGCCAGGCTTGGGCTCCACAT 2640
QY 2691 AAGCACTAGCTATAGATGCCCTTTAGAGCTGGTGGCGCGAGAGG 2750
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QY 2751 CTGCCACACGGAAGCAAGCAGATGAATTAATTTCAAGGCAAGTTTAAAGAGTC 2810
DB 2701 CTGCCACACGGAAGCAAGCAGATGAATTAATTTCAAGGCAAGTTTAAAGAGTC 2760
QY 2811 TTGGAACACAGCGGGGACCTTTCTCTAATCCAGCAAAAGTATCCCTGCACACCA 2870
DB 2761 TTGGAACACAGCGGGGACCTTTCTCTAATCCAGCAAAAGTATCCCTGCACACCA 2820
QY 2871 GACAGCAGAGTAACAGGATCAGTGGTCTAAGTGTCCGAGACTTAACGAAATAGTATT 2930
DB 2821 GACAGCAGAGTAACAGGATCAGTGGTCTAAGTGTCCGAGACTTAACGAAATAGTATT 2880
QY 2931 TCAGCTGCAATAAAGATTGAGTTTGC 2958
DB 2881 TCAGCTGCAATAAAGATTGAGTTTGC 2908

RESULT 5

US-09-988-687-223
; Sequence 223, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ IDS: 240
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 223
; LENGTH: 2908
; TYPE: DNA
; ORGANISM: Pan troglodytes
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-988-687-223

Query Match 97.2%; Score 2874.4; DB 10; Length 2908;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 2887; Conservative 0; Mismatches 21; Indels 0; Gaps 0;
QY 51 ATGTGGGCGCTTGTCTCGTCTCGGTCCGCGCGGACGACCACTGTGCGAGGACGC 110
DB 1 ATGTGGGCGCTTGTCTCGTCTCGGTCCGCGCGGACGACCACTGTGCGAGGACGC 60

QY 111 ACCATATCGCAGGACCCCGCCCGCGAGCGGCCCGCAAGAACCCGCTGGCGCACCTG 170
DB 61 ACCATATCGCAGGACCCCGCCCGCGAGCGGCCCGCAAGAACCCGCTGGCGCACCTG 120
QY 171 CGCAGCGGAGAGAGCGCGGACCGCTCGGGGTGCTCCGGCGGCCCAACACCGTGTACCTG 230
DB 121 CGCAGCGGAGAGAGCGCGGACCGCTCGGGGTGCTCCGGCGGCCCAACACCGTGTACCTG 180
QY 231 CAGGTGTGCGACCGCGGTAGCGGGACTCGGGCGCGCGCTCTACGTCTTCTCCGAGTTC 290
DB 181 CAGGTGTGCGACCGCGGTAGCGGGACTCGGGCGCGCGCTCTACGTCTTCTCCGAGTTC 240
QY 291 AACCGGTATCTCTTCAACTGTGGAGAGCGGCTTCAGAGACTCATGCGAGGACCAAGTTA 350
DB 241 AACCGGTATCTCTTCAACTGTGGAGAGCGGCTTCAGAGACTCATGCGAGGACCAAGTTA 300
QY 351 AAGTTTGTCTCGCTGACCAACATATTTCTGACAGCAATGCATGCTGTCTAATGTTGGGGC 410
DB 301 AAGTTTGTCTCGCTGACCAACATATTTCTGACAGCAATGCATGCTGTCTAATGTTGGGGC 360
QY 411 TTAAGTGGATGATCTTACTTTTAAAGGAAACCGGGCTTCCAAAGTGTGTACTTTCTGGA 470
DB 361 TTAAGTGGATGATCTTACTTTTAAAGGAAACCGGGCTTCCAAAGTGTGTACTTTCTGGA 420
QY 471 CCTCCACAACTGGAAATACCTCGAAGCAATCAAAATATTTTCTGTCTCATTAAGGA 530
DB 421 CCTCCACAACTGGAAATACCTCGAAGCAATCAAAATATTTTCTGTCTCATTAAGGA 480
QY 531 ATAGAACTGGCTGTGGCGGCCCACTCTGCCCCAGCAATACGAGGATCAAAACCATGACGTT 590
DB 481 ATAGAACTGGCTGTGGCGGCCCACTCTGCCCCAGCAATACGAGGATCAAAACCATGACGTT 540
QY 591 TACCAGATCCCATACAGAGTGAACAGAGAGGGAAGCAACACCATGGCAGAGTCCA 650
DB 541 TACCAGATCCCATACAGAGTGAACAGAGAGGGAAGCAACACCATGGCAGAGTCCA 600
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DB 601 GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCCATCTTCCAGCTCCGAGTCAAGTAAAT 660
QY 711 GAGCCACACCTTCCACATGCTGTAGCCAGAGAGGAGGCTCAGGAGCTTTCCCTGTGTC 770
DB 661 GAGCCACACCTTCCACATGCTGTAGCCAGAGAGGAGGCTCAGGAGCTTTCCCTGTGTC 720
QY 771 GTAGCTTTTCATCTGTAAAGCTTCACTTAAAGAGAGGAACTTCTGTGCTCAAGCAAG 830
DB 721 GTAGCTTTTCATCTGTAAAGCTTCACTTAAAGAGAGGAACTTCTGTGCTCAAGCAAG 780
QY 831 GAGATGGGCTCCAGTGTGGGACAGCTGCCATCGCTCCCATCATTTGCTGTCTCAAGGAC 890
DB 781 GAGATGGGCTCCAGTGTGGGACAGCTGCCATCGCTCCCATCATTTGCTGTCTCAAGGAC 840
QY 891 GGGAAAGCATCACTCATGAAGAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCTCA 950
DB 841 GGGAAAGCATCACTCATGAAGAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCTCA 900
QY 951 GATCTCTGTGCTGCTTTTGTGGTGTAGAAATCCAGATGAAGCTTCATTCACACCCATC 1010
DB 901 GATCTCTGTGCTGCTTTTGTGGTGTAGAAATCCAGATGAAGCTTCATTCACACCCATC 960
QY 1011 TGTGAGATGCCACCTTTTCCAGAGTACCAAGAAAGGAGAGATGCCCGCTGGCTTGTG 1070
DB 961 TGTGAGATGCCACCTTTTCCAGAGTACCAAGAAAGGAGAGATGCCCGCTGGCTTGTG 1020
QY 1071 GTTTCATGCGCCCGCAGCATCTGTGCTTGTGGACAGCATCCAGCAGTGGATGGAGAGG 1130
DB 1021 GTTTCATGCGCCCGCAGCATCTGTGCTTGTGGACAGCATCCAGCAGTGGATGGAGAGG 1080
QY 1131 TTTGGGCTGACACCCAGCATTTGCTCTCTGAATGAGAACTGTGCTCTGAGTTCAACCTTT 1190
DB 1081 TTTGGGCTGACACCCAGCATTTGCTCTCTGAATGAGAACTGTGCTCTGAGTTCAACCTTT 1140

1191 CGCAGCCACAGATTCAACCCAGCTCAACCTCATCCACCGGACATCTTCCCTGCTC 1250
1141 CCGAGCCCAAGATTCAACCCAGCTCAACCTCATCCACCGGACATCTTCCCTGCTC 1200
1251 ACCAGTTTCGGCTGTAAAGAGAGGCCCCCACCCTCAGTGTGCCCATGGTTTCAGGGTGAA 1310
1201 ACCAGTTTCGGCTGTAAAGAGAGGCCCCCACCCTCAGTGTGCCCATGGTTTCAGGGTGAA 1260
1311 TGCCTCCTCAAGTACAGCTCCGTCCAGAGGAGGTGGCAGAGGATGCCATTTACT 1370
1261 TGCCTCCTCAAGTACAGCTCCGTCCAGAGGAGGTGGCAGAGGATGCCATTTACT 1320
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1321 TGCAATCTGAGGAATTCATAGTTGAGCGCTGAGCTTCCCACTTCCAGCAGAGGTG 1380
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1381 CAGAGTACAGAGGAGTGGCAGAGACGGCCCCAGCCCCCAGCAGAGAAAGAGTCAGTAC 1440
1491 CCAGAAATCATCTTCTTGGAAACAGGCTGTCATCCGATGAGATTCGAAATGTCAGT 1550
1441 CCAGAAATCATCTTCTTGGAAACAGGCTGTCATCCGATGAGATTCGAAATGTCAGT 1500
1551 GCCACATTTGTCAACATAAGCCCCGACACGCTCTGTGCTACTGACTGTGGTGAAGGCACA 1610
1501 GCCACATTTGTCAACATAAGCCCCGACACGCTCTGTGCTACTGACTGTGGTGAAGGCACG 1560
1611 TTGGGAGAGCTGTGCGCTCATTTACGAGACAGAGTGGACAGGCTCCTGGGCACTTGGCT 1670
1561 TTGGGAGAGCTGTGCGCTCATTTACGAGACAGAGTGGACAGGCTCCTGGGCACTTGGCT 1620
1671 GCTGTGTTGTGCTCCACCTGCACCCAGATCACACAGCGGCTTGCCCAAGTATCTTGTG 1730
1621 GCTGTGTTGTGCTCCACCTGCACCCAGATCACACAGCGGCTTGCTAAATCTTGTG 1680
1731 CAGAGAGAACGGCTTGGCATCTTTGGAAAGCGCTTTCACCTTTGCTGGTGGTTGCC 1790
1681 CAGAGAGAACGGCTTGGCATCTTTGGAAAGCGCTTTCACCTTTGCTGGTGGTTGCC 1740
1791 CCCAACCACTCAAGCTGGCTCAGCAGTACCAACCACTGACAGAGTCTCTGCAC 1850
1741 CCCAACCACTCAAGCTGGCTCAGCAGTACCAACCACTGACAGAGTCTCTGCAC 1800
1851 CACATCAGTATGATTCCTGCCAAATGCCCTTTCAGGAAGGGCTGAGATCTCAGTCTGCA 1910
1801 CACATCAGTATGATTCCTGCCAAATGCCCTTTCAGGAAGGGCTGAGATCTCAGTCTGCA 1860
1911 GTGGAAAGTTGATCAGTTGCTGTGGAAATGATGATTTGGAGAGTTTCAGACCTGT 1970
1861 GTGGAAAGTTGATCAGTTGCTGTGGAAATGATGATTTGGAGAGTTTCAGACCTGT 1920
1971 CTGGTGGGCACTGCAAGCATCGTTTGGCTGTGGCTGGTGCAACACCTCTGGCTGGAAA 2030
1921 CTGGTGGGCACTGCAAGCATCGTTTGGCTGTGGCTGGTGCAACACCTCTGGCTGGAAA 1980
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1981 GTGGTCTATTCGGGAGACCATGCTGCTGGAGGCTCTGGTCCGATGGGGAAGATGCC 2040
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2041 ACCCTCTGATACATCAAGCCACCTCGAAGATGTTTGGAAAGAGAGCAGTGGAAAAG 2100
2151 ACACAGACCAACGTCCTCAAGCCATCAGCTGGGATGCGATGAACGGGAGTTCAAT 2210
2101 ACACAGACCAACGTCCTCAAGCCATCAGCTGGGATGCGATGAACGGGAGTTCAAT 2160
2211 ATGCTGAACCACTTACGAGCGCTATGCCAGGCTCCCTCTTTCAGCCCACTTCAAGC 2270
2161 ATGCTGAACCACTTACGAGCGCTATGCCAGGCTCCCTCTTTCAGCCCACTTCAAGC 2220
2271 GAGAAAGTGGAGTTGCCCTTTGACCAATGAAGGTCTGCTTTGGAGACTTTCCAAATG 2330

2221 GAGAAAGTGGAGTTGCCCTTTGACCATGAAGTCTGCTTTGGAGACTTTGCAACAATG 2280
2331 CCAAGCTGATTTCCCACTGAAGCCCTGTTTGTGGGCAATCCAGAGATGGAGGAG 2390
2281 CCAAGCTGATTTCCCACTGAAGCCCTGTTTGTGGGCAATCCAGAGATGGAGGAG 2340
2391 CGCAGGAGAAAGGGGAGTTCGGCAGGTGCGGCGGCGCTCTCTGTCAGGAGCTGGCA 2450
2341 CGCAGGAGAAAGGGGAGTTCGGCAGGTGCGGCGGCGCTCTCTGTCAGGAGCTGGCA 2400
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2511 AAGAGGTGAGAGCCAGTGAAGTCTGGAGACCTGAACTCAGAAAGGCTGTGTCTT 2570
2461 AAGAGGTGAGAGCCAGTGAAGTCTGGAGACCTGAACTCAGAAAGGCTGTGTCTT 2520
2571 CTGCCCCACGACGACCCCGTATCTGCCCTCTTGTGTGTGTGTGTGTGTGTGTGTGT 2630
2521 CTGCCCCACGACGACCCCGTATCTGCCCTCTTGTGTGTGTGTGTGTGTGTGTGTGT 2580
2631 CCCCAGAGCAGCTCAGGATAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2690
2581 CCCCAGAGCAGCTCAGGATAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2640
2691 AAGCCTAGTCTATAGATGCTCTTAGGACTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2750
2641 AAGCCTAGTCTATAGATGCTCTTAGGACTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2700
2751 CTGCCCACGAGAAAGCAGATGAATTTTCAATTTCAAGCAGTTTAAAGAGTCT 2810
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2811 TTGAAACACAGCGCGCACCTTTCTCTAATCCAGCAAGTGTATCCCTGTGCACACAGA 2870
2761 TTGAAACACAGCGCGCACCTTTCTCTAATCCAGCAAGTGTATCCCTGTGCACACAGA 2820
2871 GACAAGCAGATTAACAGATCAGTGGTCTAAGTGTCCGAGACTTAACGAAATAGTATT 2930
2821 GACAAGCAGATTAACAGATCAGTGGTCTAAGTGTCCGAGACTTAACGAAATAGTATT 2880
2931 TCAGTCTCAATAAGATTGAGTTGCAA 2958
2881 TCAGTCTCAATAAGATTGAGTTGCAA 2908

RESULT 6

US-09-988-686-223
; Sequence 223, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,686
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 223
; LENGTH: 2908


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DB 2041 ACCCTCTGTATACATGAAGCCACCTCTGAAGATGTTTGGAGAGGAAGCAGTGCAGAAAG 2100
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DB 2101 ACACACAGCAACAGTCCCAAGCCATCAGCTGGGATGGGATGAACGGGAGTTCATT 2160
QY 2211 ATGCTGAACCACTTCAGCCAGCGGTATGCCAAGGTCCCTCTTCAGCCCCAACTTCAGC 2270
DB 2161 ATGCTGAACCACTTCAGCCAGCGGTATGCCAAGGTCCCTCTTCAGCCCCAACTTCAGC 2220
QY 2271 GAGAAAGTGGAGATGCTCTTTGACCAATGAAGTCTGCTTTGGAGACTTTCCAAACATG 2330
DB 2221 GAGAAAGTGGAGATGCTCTTTGACCAATGAAGTCTGCTTTGGAGACTTTCCAAACATG 2280
QY 2331 CCCAAGCTGATTCCCCCACTCAAAAGCCCTGTTTGTGGCGACATCGAGAGATGGAGAG 2390
DB 2281 CCCAAGCTGATTCCCCCACTCAAAAGCCCTGTTTGTGGCGACATCGAGAGATGGAGAG 2340
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QY 2451 GCGGCTCTGGAGATGGGAGCTTCAGCAGAGAGCGGCGCCACACAGAGAGGCCACAGGCC 2510
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DB 2461 AAGAAAGTCAAGCCCACTGAAGATCTGGGAGACCTCGAACTCAAGAGGCTGTGTGCTT 2520
QY 2571 CTGCCCCACGACGACCGCTATCTCCCTCTCTGCTGTAGAGCTGAAGAGCAGCGTC 2630
DB 2521 CTGCCCCACGACGACCGCTATCTCCCTCTCTGCTGTAGAGCTGAAGAGCAGCGTC 2580
QY 2631 CCCAGAGGAGGAGCTCAGAGATAGTGGTATGGAGCTGTGGGAGGCTTTGGGCTCCCAAT 2690
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QY 2691 AAGCACTAGTCTATAGATGCTCTTAGAGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 2750
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DB 2761 TTGGAAACAGACGGCGGCACTTTCTCTPAATCCAGCAAGTATTCCTCTGCACACCAGA 2820
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DB 2821 GACAGCAGAGTAACAGATCAGTGGTCTAGTCTAGTCTAGTCTAGTCTAGTCTAGTCTAG 2880
QY 2931 TCAGCTGCAATAAAGATTGAGTTTGCAA 2958
DB 2881 TCAGCTGCAATAAAGATTGAGTTTGCAA 2908
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RESULT 7

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US-10-108-260A-282
; Sequence 282, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
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; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 282

; LENGTH: 2907

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-108-260A-282

Query Match 95.4%; Score 2822.4; DB 16; Length 2907;

Best Local Similarity 97.9%; Pred. No. 0;

Matches 2893; Conservative 0; Mismatches 6; Indels 57; Gaps 1;

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DB 9 CGCGGCGGTAGGTGACCGGCGGCTTTCTCAGTTTGTGTGAGACGCGGCGCATGTGGCGC 68
QY 61 TTTGCTCGTGTGCTGCGGCGGCGGAGCGACCATGTGCGAGGAGCCACCATATCGC 120
DB 69 TTTGCTCGTGTGCTGCGGCGGCGGAGCGACCATGTGCGAGGAGCCACCATATCGC 128
QY 121 AGGCACCCGCGCCCGCGAGCGGCGGCAAGGACCGGCTGCGGACCTTGGCGACCGAG 180
DB 129 AGGCACCCGCGCCCGCGAGCGGCGGCAAGGACCGGCTGCGGACCTTGGCGACCGAG 188
QY 181 AGAAGCGCGGACCGGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 240
DB 189 AGAAGCGCGGACCGGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 248
QY 241 CAGCGGCTAGCGGCGGACTCGGCGGCGGCGGCTCTACGCTCTCTCCGAGTTCAACCGGTATC 300
DB 249 CAGCGGCTAGCGGCGGACTCG----- 268
QY 301 TCTTCAACTGTGGAGAGGCGTTTCAGAGCTCATGTGAGGAGCAAGTTAAAGTTGCTC 360
DB 269 -----GGCGTTTCAGAGACTCATGTGAGGAGCAAGTTAAAGTTGCTC 311
QY 361 GCCTGGCAACATATTCCTGACACGATGCACTGCTCTAATGTTGGGCGCTTAAGTGAA 420
DB 312 GCCTGGCAACATATTCCTGACACGATGCACTGCTCTAATGTTGGGCGCTTAAGTGAA 371
QY 421 TGATTTCTTATTTTAAAGAAACCGGCTTCCAAAGTGTGACTTTCTGGACCTTCCACAC 480
DB 372 TGATTTCTTATTTTAAAGAAACCGGCTTCCAAAGTGTGACTTTCTGGACCTTCCACAC 431
QY 481 TGGAAATACCTCGAAGCAATCAAAATATTTTCTGCTCCATTTGAAGGATAGACTGG 540
DB 432 TGGAAATACCTCGAAGCAATCAAAATATTTTCTGCTCCATTTGAAGGATAGACTGG 491
QY 541 CTGTGCGGCGCCCACTCTGCCCCAGAAATACGAGGATGAAACCATGACAGTTTACCAGATCC 600
DB 492 CTGTGCGGCGCCCACTCTGCCCCAGAAATACGAGGATGAAACCATGACAGTTTACCAGATCC 551
QY 601 CCATPACAGTGAACAGAGAGGGGAAAGCAACCAACCATGCGAGAGTCCAGAAAGGCTC 660
DB 552 CCATPACAGTGAACAGAGAGGGGAAAGCAACCAACCATGCGAGAGTCCAGAAAGGCTC 611
QY 561 TCAGCAGGCTCAGTCCAGAGCGATTTTCAGACTCCGAGTCCGATGAAATGAGCCACAC 720
DB 612 TCAGCAGGCTCAGTCCAGAGCGATTTTCAGACTCCGAGTCCGATGAAATGAGCCACAC 671
QY 721 TTCCACATGTTGTTAGCCAGAGAGGCGGTTCAGGACTCTTCCCTGGTCCGAGTTTCA 780
DB 672 TTCCACATGTTGTTAGCCAGAGAGGCGGTTCAGGACTCTTCCCTGGTCCGAGTTTCA 731
QY 781 TCTGTAGCTTCACTTAAAGAGGAAACTTCTTGGTCTCAAGCAAGAGAGATGGCC 840
DB 732 TCTGTAGCTTCACTTAAAGAGGAAACTTCTTGGTCTCAAGCAAGAGAGATGGCC 791
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DB 792 TCCAGTTGGGACAGCTGCCATCGCTCCCATCAATTTGTCTGTCAAGGACGGGAAAGCA 851
QY 901 TCATCATGAAGGAGAGAGATTTTGGCTGAGAGCTGTGTACTCTCCAGATCCTGGTG 960
DB 851 TCATCATGAAGGAGAGAGATTTTGGCTGAGAGCTGTGTACTCTCCAGATCCTGGTG 911
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Db 852 TCACTCATGAGGGAAGAGAGATTTGGCTGAGAGCTGTGTACTCTCCAGAGTCTCTGGTG 911
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Qy 1021 CCACTTTTCAAGGTTACCAAGGAAGCAGATGCCCCCGTGGCTTTGGTGTCAATGG 1080
Db 972 CCACTTTTCAAGGTTACCAAGGAAGCAGATGCCCCCGTGGCTTTGGTGTCAATGG 1031
Qy 1081 CCCCAGATCTGTGCTGTGGACAGAGTACCAGAGTGGATGGATGGATGGATGGATGGATGG 1140
Db 1032 CCCCAGATCTGTGCTGTGGACAGAGTACCAGAGTGGATGGATGGATGGATGGATGGATGG 1091
Qy 1141 ACACCCAGCATTTGGTCTGAATGAGAACTGTGCTCAGTTCAACACCTTCGACGACCA 1200
Db 1092 ACACCCAGCATTTGGTCTGAATGAGAACTGTGCTCAGTTCAACACCTTCGACGACCA 1151
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RESULT 8

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; Sequence 225, Application US/09988626
; Publication No. US2003004959A1
; GENERAL INFORMATION:
; APPLICANT: Tavligian, Sean V.
; APPLICANT: Teng, David H.F.

Db 1741 CCAGCCAGCTCAAGAGCTGGCTCCAGCAGTACCAACACAGTGCAGGAGTCTCTGCAC 1800
QY 1851 CACATCAGTATGATCTCTGCAATGCTTCCAGAGGGGCTCAGATCTCCAGTCTGCA 1910
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Db 1861 GTGGAAGATGATCAGTTCGCTGTGGCAACATGTGATTTGGAAGAGTTTCAGACCTGT 1920
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Db 2865 TCAGCTGCAATAAAGATTGAGTTTGCA 2892
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; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
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; CURRENT APPLICATION NUMBER: US/09/988,687
; PRIORITY FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 225
; LENGTH: 2892
; TYPE: DNA
; ORGANISM: Gorilla gorilla
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(2478)
US-09-988-687-225
Query Match 95.3%; Score 2819.6; DB 10; Length 2892;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 2863; Conservative 0; Mismatches 29; Indels 16; Gaps 1;
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Qy 1671 GCTGTGTTGTGTCCTGACCGCAGATCACACACCGGCTTGGCAAGTATCTTGTCTG 1730
Db 1621 GCTGTGTTGTGTCCTGACCGCAGATCACACACCGGCTTGGCAAGTATCTTGTCTG 1680
Qy 1731 CAGAGAGAGCGGCTTGGCATCTTTGGGAAAGCGCTTCACTCTTGTGCTGCTGCTG 1790
Db 1681 CAGAGAGAGCGGCTTGGCATCTTTGGGAAAGCGCTTCACTCTTGTGCTGCTGCTG 1740
Qy 1791 CCCAACAGCTCAAAGCCTGGCTCCAGCAGTACCAACACAGTCGCCAGAGGTCCTGCAC 1850
Db 1741 CCCAACAGCTCAAAGCCTGGCTCCAGCAGTACCAACACAGTCGCCAGAGGTCCTGCAC 1800
Qy 1851 CACATCAGTATGATCTCTGCCAAATGCTTCCAGAGGGGCTGAGATCTCCAGTCTGCA 1910
Db 1801 CACATCAGTATGATCTCTGCCAAATGCTTCCAGAGGGGCTGAGATCTCCAGTCTGCA 1860
Qy 1911 GTGAAAGATGATCAGTTCGCTGTTGCGAAACATGATTTGGAAGATTTCAAGCTGT 1970
Db 1861 GTGAAAGATGATCAGTTCGCTGTTGCGAAACATGATTTGGAAGATTTCAAGCTGT 1920
Qy 1971 CTGCTGCGGCACTGCAAGCATGCGCTTGGCTGTGCTGTCACACCTCTGCTGCAAA 2030
Db 1921 CTGCTGCGGCACTGCAAGCATGCGCTTGGCTGTGCTGTCACACCTCTGCTGCAAA 1980
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Db 1981 GTGCTCTATTCCGCGGACACCATGCTCGAGGCTCTGCTCGGATGGGAAAGATGCC 2040
Qy 2091 ACCCTCTGATACATGAAGCCACCTTGGAGATGTTTGGAGAGAGAGAGTGGAAAG 2150
Db 2041 ACCCTCTGATACATGAAGCCACCTTGGAGATGTTTGGAGAGAGAGTGGAAAG 2100
Qy 2151 ACACAGCAGCAGCTCCCAAGCCATCAGGTGGGATGCGGATGAACCGGAGTTCAIT 2210
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Qy 2211 ATGCTGAACCATTTAGCCAGCGCTATGCCAAGGTCCCCCTCTTTCAGCCCCAACCTTCA 2270
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421	DB	CTTCCACAACTGTGAAATAATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTGAAGGA	480
531	QY	ATAGAACTGGCTGTGGGGCCCACTCTGGCCCAAGAAATACGAGSATGAACCAATGACAGTT	590
481	DB	ATAGAACTGGCTGTGGGGCCCACTCTGGCCCAAGAAATACGAGSATGAACCAATGACAGTT	540
591	QY	TACCAGATCCCATACACAGTGAACAGAGGAGGGGAAAGCAACCAACATGGCAGATCCA	650
541	DB	TACCAGATCCCATACACAGTGAACAGAGGAGGGGAAAGCAACCAACATGGCAGATCCA	600
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601	DB	GAAGAAGCCTCTCAGCAGGGCTCAGTCCAGAGCGCATCTTTCAGACTCCGAGTCCGAATGAAAT	660
711	QY	GAGCCACACTTCCACATGGTGTATAGCCAGAGAGAGGGGTGAGGACATCTTCCCTGGTCT	770
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721	DB	GTAGCTTTTCATCTGTAAAGCTTTCATTAAGAGAGGAAACTTCTTGTGTCTCAAGCAAAAG	780
831	QY	GAGATGGGCTCCAGTGTGGGACAGGTGCCATCGCTCCCATCATCTGCTGTCTCAAGGAC	890
781	DB	GAGATGGGCTCCAGTGTGGGACAGGTGCCATCGCTCCCATCATCTGCTGTCTCAAGGAC	840
891	QY	GGAAAGCATCACTCATGAAGAAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCTCCA	950
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951	QY	GATCCTGGTCTGCTTTTGTGGTGTAGAAATGTCCAGATGAAGTTCATTCAACCCATC	1010
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961	DB	TGTGAGNATGCCACCTTTCAGAGGTACCAAGGAAAGGCAGATGCCCCCTGGCTTGGTG	1020
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1131	QY	TTTGGGCTGACACCCAGCATCTGTGCTTGAATGAGNACTGTGCTCAGTTCACACCTT	1190
1081	DB	TTTGGGCTGACACCCAGCATCTGTGCTTGAATGAGNACTGTGCTCAGTTCACACCTT	1140
1191	QY	CGAGCCACAAGATTCAAAACCCAGCTCAACCTCATCCACCCGACATCTTCCCCCTGCTC	1250
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1201	DB	ACCAGTTTCCGCTGTAAAGAGAGGGCCCCACCTCAGTGTGCCCATGTTTCAGGTGAA	1260
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1261	DB	TGCTCTCTCAAGTACCACTCCCTCCAGAGGGAGTGGCAGAGGATGCCATTATTACT	1320
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1321	DB	TGCAATCCTGAGGAATTCATAGTTGAGGCGCTGCAGCTTCCCACTTCCAGCAGCGTG	1380
1431	QY	CAGAGTACAGGAGGTGGCCAGGACGGGCCAGCCCCCAGCAGAGNAGAAATCAGTAC	1490
1381	DB	CAGAGTACAGGAGGTGGCCAGGACGGGCCAGCCCCCAGCAGAGNAGAAATCAGTAC	1440
1491	QY	CCGAAATTCATCTTCTTGGAAACAGGGTCTGCCATCCCGATGAAGATTCGAAATGTCAGT	1550
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1551	QY	GCCACATCTGTCAACAATAAGCCCCGACAGCTCTCTGTACTGTGACTGTGTGAGGCACA	1610
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RESULT 14
US-03-988-626-221
; Sequence 221, Application US/09988626
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.

Db 1759 CACACGTCAGTATGATTCCTGCCAATGCCCTCAGAAAGGGCAGAGGTCCTCAATACT 1818
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Db 1819 ACATTGGAAAAGGCTGATAGCTTGTGTGTGAAAACATGTGACTTAGAAGAAATTTTCAGACC 1878
Qy 1968 TGTCTGGTGGCGCACTGCAAGCATGCTTTGGCTGTGTGCTGTGCTGCAACCTCTGGCTGG 2027
Db 1879 TGCTTGGTACGGCACTGCAAGCATGCTTTGGCTGTGTGCTGTGCTGCAACCTCTGGCTGG 1938
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Db 1939 AAAGTGGTCTACTCGGGGATACCATGCCCTGTGAGGCTCTGGTTCGATGGGAAAGAT 1998
Qy 2088 GCCACCTCTGATACATGAACACCATGCCCTGCGAGGCTCTGGTTCGGATGGGAAAGAT 2147
Db 1999 GCCACCTCTGATACATGAACACCATGCCCTGTGAGGATCCTTTGGAAGAGGAGCAGTAGAG 2058
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Db 2119 ATCATGCTGAACCATTTGCGCAGGCTATGCCAGGCTATGCCAGGTCCTCCCTCTTCAGCCCCCACTTC 2178
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RESULT 15
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; Sequence 221, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 221
; LENGTH: 2470
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS

; LOCATION: (1)..(2466)
US-09-988-687-221
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Best Local Similarity 81.8%; Pred. No. 0;
Matches 1959; Conservative 0; Mismatches 417; Indels 24; Gaps 4;
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Db 40 CGCACCATATCGCAGGAGTTTCGGCTCGTGGCGCGCCGACCCCAAGACCCCTGCGACAC 99
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Qy 228 CTGCGAGTGTGCGAGCGGCTAGCCGCGGACTCTGGGCGCGCGCTCTACGCTCTTCTCCGAG 287
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Db 1759 CACCATCAGTATGATTCCTGCCAAATGCTTCCAGAGGGGCTGAGATCTCCAAATCT 1818
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Db 1819 ACATTTGGAAAGCTGATAGCTGTGTTGGAAACATGTGACTTAGAAGAAATTCAGACC 1878
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Qy 2028 AAAGTGGTCTATTCCGGGGACACCATGCTCCGAGGCTTGGTCCGATGGGAAAGAT 2087
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Search completed: July 31, 2004, 13:27:03
Job time : 1452.96 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 28, 2004, 14:28:52 ; Search time 21 Seconds
(without alignments)
2030.622 Million cell updates/sec

Title: US-09-434-382-2

Perfect score: 4325

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Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
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- 6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	4283	99.0	826	US-09-564-805-224	Sequence 224, App
3	4261	98.5	826	US-09-564-805-226	Sequence 226, App
4	3473.5	80.3	822	US-09-564-805-222	Sequence 222, App
5	875.5	20.2	837	US-09-564-805-228	Sequence 228, App
6	760	17.6	844	US-09-564-805-227	Sequence 227, App
7	599.5	13.9	838	US-09-315-794-52	Sequence 52, Appl
8	599.5	13.9	838	US-09-389-341-52	Sequence 52, Appl
9	599.5	13.9	838	US-09-564-805-229	Sequence 229, App
10	420	9.7	81	US-09-564-805-211	Sequence 211, App
11	281	6.5	307	US-09-564-805-232	Sequence 232, App
12	278	6.4	73	US-09-564-805-213	Sequence 213, App
13	275	6.4	311	US-09-564-805-230	Sequence 230, App
14	269.5	6.2	317	US-09-393-858-20	Sequence 20, Appl
15	245.5	5.7	363	US-09-543-681A-8261	Sequence 6261, Ap
16	244	5.6	310	US-09-489-039A-8134	Sequence 8134, Ap
17	243.5	5.6	326	US-09-564-805-231	Sequence 231, App
18	241.5	5.6	307	US-09-134-001C-3238	Sequence 3238, Ap
19	241.5	5.6	307	US-09-198-452A-43	Sequence 43, Appl
20	233	5.4	307	US-09-393-858-17	Sequence 17, Appl
21	228.5	5.3	307	US-09-393-858-8	Sequence 8, Appli
22	217.5	5.0	309	US-09-328-352-4636	Sequence 4636, Ap
23	203	4.7	324	US-09-553-863-2	Sequence 2, Appli
24	172.5	4.0	319	US-09-553-863-4	Sequence 4, Appli
25	172.5	4.0	319	US-09-134-000C-3409	Sequence 3409, Ap
26	123.5	2.9	178	US-09-107-532A-6424	Sequence 6424, Ap
27	122.5	2.8	253		

ALIGNMENTS

RESULT 1

US-09-564-805-2
; Sequence 2, Application US/09564805
; Patent No. 6333403

GENERAL INFORMATION:

; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-564-805-2

Query Match 100.0%; Score 4325; DB 4; Length 826;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 301 DPGAAFWVECPDESFIQICENATFORQOGKADAPVALVHMAPASVLVDSRYQOMMER 360
QY 361 FGPDTOHLVNLNENCASVHNLRSKIQOTLNLIHPDIFPLLTSPRCKKEGPTLSVPMVOGE 420
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QY 421 CLLKYQLRPRRERQORDAIITCNPEEPIVEALQLPNFQOQSVQVEYRRAQOGPAPAEKRSQY 480
Db 421 CLLKYQLRPRRERQORDAIITCNPEEPIVEALQLPNFQOQSVQVEYRRAQOGPAPAEKRSQY 480
QY 481 PEIIFGTGSAIPMKIRNVSATLVNTSPDTSLLDCGEGTFQOLCRHYGDQVDRVLGTILA 540
Db 481 PEIIFGTGSAIPMKIRNVSATLVNTSPDTSLLDCGEGTFQOLCRHYGDQVDRVLGTILA 540
QY 541 AVFVSHLHADHHTGLPSILLQERALASLGKPLHPLLVVAPNOLKAWLQOYHNCQOEVLH 600
Db 541 AVFVSHLHADHHTGLPSILLQERALASLGKPLHPLLVVAPNOLKAWLQOYHNCQOEVLH 600
QY 601 HISMIPAKCLQEGAEISSPAVERLISSLLRTCDLEEFQCLVRHCKHAFGCALVHTSGWK 660
Db 601 HISMIPAKCLQEGAEISSPAVERLISSLLRTCDLEEFQCLVRHCKHAFGCALVHTSGWK 660
QY 661 VVYSGDTMPCALVRMGKDATILLIHEATLEDGLEEAEVEKTHSTTSQAISVGMWNAEPI 720
Db 661 VVYSGDTMPCALVRMGKDATILLIHEATLEDGLEEAEVEKTHSTTSQAISVGMWNAEPI 720
QY 721 MLNHFQRYAKVPLFSPNFSEKVGVAFDHMKVCFDFTMPKLIPLKALFAGDIEEMEE 780
Db 721 MLNHFQRYAKVPLFSPNFSEKVGVAFDHMKVCFDFTMPKLIPLKALFAGDIEEMEE 780
QY 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826
Db 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826

RESULT 2
US-09-564-805-224
; Sequence 224, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 224
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Pan troglodytes
US-09-564-805-224

Query Match 99.0%; Score 4283; DB 4; Length 826;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 817; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 1 MWALCSLLRSAGRTMSQGRITISQAPARRPRKDPRLHLTREKRGPSGSGGNTVYL 60
Db 1 MWALCSLLRSAGRTMSQGRITISQAPARRPRKDPRLHLTREKRGPSGSGGNTVYL 60
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QY 61 QVVAAGSRDGAALYVSEFNRYLFNCGEGVQRLMOEHKLKVARLDNIFLTRMHSNVGG 120
Db 61 QVVAAGSRDGAALYVSEFNRYLFNCGEGVQRLMOEHKLKVARLDNIFLTRMHSNVGG 120
QY 121 LSGMILTLETGTPKCVLSPGPPOLEKYLEAIFKFSPLKGIELAVPHSAPEYEDETMTV 180
Db 121 LSGMILTLETGTPKCVLSPGPPOLEKYLEAIFKFSPLKGIELAVPHSAPEYEDETMTV 180
QY 181 YQIPIHSEQRGRKHQPMQSPERPLSRLSPERSSDSSNENEPELPHGVSORRQVRDSSLV 240
Db 181 YQIPIHSEQRGRKHQPMQSPERPLSRLSPERSSDSSNENEPELPHGVSORRQVRDSSLV 240
QY 241 VAFICKLHLKRGHPLVLKAKEMGLPVGTAAIAPIIAVKDGKSIITHEGREILABELCTPP 300
Db 241 VAFICKLHLKRGHPLVLKAKEMGLPVGTAAIAPIIAVKDGKSIITHEGREILABELCTPP 300
QY 301 DPGAAFWVECPDESFIQICENATFORQOGKADAPVALVHMAPASVLVDSRYQOMMER 360
Db 301 DPGAAFWVECPDESFIQICENATFORQOGKADAPVALVHMAPASVLVDSRYQOMMER 360
QY 361 FGPDTOHLVNLNENCASVHNLRSKIQOTLNLIHPDIFPLLTSPRCKKEGPTLSVPMVOGE 420
Db 361 FGPDTOHLVNLNENCASVHNLRSKIQOTLNLIHPDIFPLLTSPRCKKEGPTLSVPMVOGE 420
QY 421 CLLKYQLRPRRERQORDAIITCNPEEPIVEALQLPNFQOQSVQVEYRRAQOGPAPAEKRSQY 480
Db 421 CLLKYQLRPRRERQORDAIITCNPEEPIVEALQLPNFQOQSVQVEYRRAQOGPAPAEKRSQY 480
QY 481 PEIIFGTGSAIPMKIRNVSATLVNTSPDTSLLDCGEGTFQOLCRHYGDQVDRVLGTILA 540
Db 481 PEIIFGTGSAIPMKIRNVSATLVNTSPDTSLLDCGEGTFQOLCRHYGDQVDRVLGTILA 540
QY 541 AVFVSHLHADHHTGLPSILLQERALASLGKPLHPLLVVAPNOLKAWLQOYHNCQOEVLH 600
Db 541 AVFVSHLHADHHTGLPSILLQERALASLGKPLHPLLVVAPNOLKAWLQOYHNCQOEVLH 600
QY 601 HISMIPAKCLQEGAEISSPAVERLISSLLRTCDLEEFQCLVRHCKHAFGCALVHTSGWK 660
Db 601 HISMIPAKCLQEGAEISSPAVERLISSLLRTCDLEEFQCLVRHCKHAFGCALVHTSGWK 660
QY 661 VVYSGDTMPCALVRMGKDATILLIHEATLEDGLEEAEVEKTHSTTSQAISVGMWNAEPI 720
Db 661 VVYSGDTMPCALVRMGKDATILLIHEATLEDGLEEAEVEKTHSTTSQAISVGMWNAEPI 720
QY 721 MLNHFQRYAKVPLFSPNFSEKVGVAFDHMKVCFDFTMPKLIPLKALFAGDIEEMEE 780
Db 721 MLNHFQRYAKVPLFSPNFSEKVGVAFDHMKVCFDFTMPKLIPLKALFAGDIEEMEE 780
QY 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826
Db 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826

RESULT 3
US-09-564-805-226
; Sequence 226, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
```

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 226
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Gorilla gorilla
US-09-564-805-226

Query Match 98.5%; Score 4261; DB 4; Length 826;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 814; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

Qy 1 MWALCSLLRSAAGRMSOGRITISQAPARRERPRKDPRLHLRTREKRGPSGCGSPNTVYL 60
Db 1 MWALCSLLRSAAGRMSOGRITISQAPARRERPRKDPRLHLRTREKRGPSGCGSPNTVYL 60

Qy 61 QVVAAGSRDSGAALYVFSEFNRYLFCNCGEGVQRLMOEHKLVARLDNIIFLTRHWSNVGG 120
Db 61 QVVAAGSRDSGAALYVFSEFNRYLFCNCGEGVQRLMOEHKLVARLDNIIFLTRHWSNVGG 120

Qy 121 LSGMILTILKETGLPKCVLSGPPQLEKYLEAIFSGPLKGLIELAVRPHSAPEYEDETMTV 180
Db 121 LSGMILTILKETGLPKCVLSGPPQLEKYLEAIFSGPLKGLIELAVRPHSAPEYEDETMTV 180

Qy 181 YOIPHSEORRGKHQWSPERPLSRSPSSSDSESNENEPHPLPHGVQSRGVRDSSLV 240
Db 181 YOIPHSEORRGKHQWSPERPLSRSPSSSDSESNENEPHPLPHGVQSRGVRDSSLV 240

Qy 241 VAFICLHLKRGNFVLKAKEMGLPVGTAA*APIIAAVKDGKSI*THEGREILABELCTPP 300
Db 241 VAFICLHLKRGNFVLKAKEMGLPVGTAA*APIIAAVKDGKSI*THEGREILABELCTPP 300

Qy 301 DGAFAFVVECPDESFIOPICNATFORYQKADAPVALVVMAPASVLVDSRYQOWMER 360
Db 301 DGAFAFVVECPDESFIOPICNATFORYQKADAPVALVVMAPASVLVDSRYQOWMER 360

Qy 361 FGPDTHLVNENCASVHNLRSKIQTLNLHPDIFPILLSFRCKKEGPTLSVPMVQGE 420
Db 361 FGPDTHLVNENCASVHNLRSKIQTLNLHPDIFPILLSFRCKKEGPTLSVPMVQGE 420

Qy 421 CLKYQLRPRRQWQDAITCNPEFIVEALQPNFQOSVQYRKSADGAPAEKRSQY 480
Db 421 CLKYQLRPRRQWQDAITCNPEFIVEALQPNFQOSVQYRKSADGAPAEKRSQY 480

Qy 481 PRIFILGTGSAIPMKIRNVSATLVNISPDTSLLDCEGEGTFCQLCRHYGDQVDRVLGTLA 540
Db 481 PRIFILGTGSAIPMKIRNVSATLVNISPDTSLLDCEGEGTFCQLCRHYGDQVDRVLGTLA 540

Qy 541 AVFVSHLHADHTGLPSILLQREALASLGKPLHPLVVPANQLKAWLQOYHNCQCEVLH 600
Db 541 AVFVSHLHADHTGLINILLQREALASLGKPLHPLVVPANQLKAWLQOYHNCQCEVLH 600

Qy 601 HISMIPAKCLQGBAETSSPAVERLISLLRTCDLEEFOTCLVRHCKHAFGCALVHTSGWK 660
Db 601 HISMIPAKCLQGBAETSSPAVERLISLLRTCDLEEFOTCLVRHCKHAFGCALVHTSGWK 660

Qy 661 VVYSGDTMPCALVRMGKDATLLIHEATLEDGLEBAVEKTHSTTSQAISVGMWNAEF 720
Db 661 VVYSGDTMPCALVRMGKDATLLIHEATLEDGLEBAVEKTHSTTSQAISVGMWNAEF 720

Qy 721 MLNHFQRYAKYPLSPNESEKGVAFDHMKVCGDFTPMPLIPLKALFAGDTEEMEE 780
Db 721 MLNHFQRYAKYPLSPNESEKGVAFDHMKVCGDFTPMPLIPLKALFAGDTEEMEE 780

Qy 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826
Db 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826

RESULT 4
US-09-564-805-222
; Sequence 222, Application US/09564805
; Patent No. 633403
; GENERAL INFORMATION:

; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 222
; LENGTH: 822
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-564-805-222

Query Match 80.3%; Score 3473.5; DB 4; Length 822;
Best Local Similarity 80.5%; Pred. No. 0;
Matches 665; Conservative 66; Mismatches 76; Indels 19; Gaps 6;

Qy 1 MWALCSLLRSAAGRMSOGRITISQAPARRERPRKDPRLHLRTREKRGPSGCGSPNTVYL 60
Db 1 MWALCSLLRSAAGRMSOGRITISQAPARRERPRKDPRLHLRTREKRGPSGCGSPNTVYL 60

Qy 61 QVVAAGSRDSGAALYVFSEFNRYLFCNCGEGVQRLMOEHKLVARLDNIIFLTRHWSNVGG 120
Db 61 QVVAAGSRDSGAALYVFSEFNRYLFCNCGEGVQRLMOEHKLVARLDNIIFLTRHWSNVGG 120

Qy 121 LSGMILTILKETGLPKCVLSGPPQLEKYLEAIFSGPLKGLIELAVRPHSAPEYEDETMTV 180
Db 121 LSGMILTILKETGLPKCVLSGPPQLEKYLEAIFSGPLKGLIELAVRPHSAPEYEDETMTV 180

Qy 181 YOIPHSEORRGKHQWSPERPLSRSPSSSDSESNENEPHPLPHGVQSRGVRDSSLV 239
Db 181 YOIPHSEORRGKHQWSPERPLSRSPSSSDSESNENEPHPLPHGVQSRGVRDSSLV 239

Qy 239 YOIPHSEORRGKHQWSPERPLSRSPSSSDSESNENEPHPLPHGVQSRGVRDSSLV 239
Db 239 YOIPHSEORRGKHQWSPERPLSRSPSSSDSESNENEPHPLPHGVQSRGVRDSSLV 239

Qy 241 CLKYQLRPRRQWQDAITCNPEFIVEALQPNFQOSVQYRKSADGAPAEKRSQY 480
Db 241 CLKYQLRPRRQWQDAITCNPEFIVEALQPNFQOSVQYRKSADGAPAEKRSQY 480

Qy 481 PRIFILGTGSAIPMKIRNVSATLVNISPDTSLLDCEGEGTFCQLCRHYGDQVDRVLGTLA 540
Db 481 PRIFILGTGSAIPMKIRNVSATLVNISPDTSLLDCEGEGTFCQLCRHYGDQVDRVLGTLA 540

Qy 541 AVFVSHLHADHTGLPSILLQREALASLGKPLHPLVVPANQLKAWLQOYHNCQCEVLH 600
Db 541 AVFVSHLHADHTGLINILLQREALASLGKPLHPLVVPANQLKAWLQOYHNCQCEVLH 600

Qy 601 HISMIPAKCLQGBAETSSPAVERLISLLRTCDLEEFOTCLVRHCKHAFGCALVHTSGWK 660
Db 601 HISMIPAKCLQGBAETSSPAVERLISLLRTCDLEEFOTCLVRHCKHAFGCALVHTSGWK 660

Qy 661 VVYSGDTMPCALVRMGKDATLLIHEATLEDGLEBAVEKTHSTTSQAISVGMWNAEF 720
Db 661 VVYSGDTMPCALVRMGKDATLLIHEATLEDGLEBAVEKTHSTTSQAISVGMWNAEF 720

Qy 721 MLNHFQRYAKYPLSPNESEKGVAFDHMKVCGDFTPMPLIPLKALFAGDTEEMEE 780
Db 721 MLNHFQRYAKYPLSPNESEKGVAFDHMKVCGDFTPMPLIPLKALFAGDTEEMEE 780

Qy 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826
Db 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826

Db 215 AGLKVTYIPL-----SP--PLN-----IGSNKSKN-----VK 241
Qy 236 DSSLVAFICLHLKRGFLVAKAKMGLPVGTAAIAPIIAAOKGKSIT-HEGREILAE 294
Db 242 VNVVDIAFLIEMKEAARRIDTMKLMELKVPKG-----PLICKLSGEAVTLPDGRTIQPD 296
Qy 295 ELCTP---PDCAAFAVVVECPDESGIOPICENATFORQYQKADAPVALVHMAPASVLVD 351
Db 297 QVFSSDKVEGDKPLLVTCTEDHVKALIDSSSLQPL-NGEKQLDYMVWHISDAVINT 355
Qy 352 SRYQOMWERF-GPDTQHLVLNENCASVHNLRS-HKIOTQLNLHPDIPFLLTSFRCKEG 409
Db 356 PTRYHLMKLNIPSITHLLINGNPVPAVESVYKHTLLRSIAFSFPALHPI----- 409
Qy 410 PTLSPVMQGECLKYQ-----LRP-RREWARDIITCNPEEFIVEALQL-----PNFQQ 458
Db 410 -DWSGIITONELSQRQOFIRVAPMORYMWRG-ASTNEBPVNNLLAAPPESLDRAKE 467
Qy 459 SVOEYRRAQDGPAPAEKRSQYPEIIFLTGSAIPMKIRNVSATLVNISPSTSLLDGCE 518
Db 468 LIKEYQKLEKNKMDCE-----FPKLTFTGTSAPVESKYRNVGTGLVSEASNLIDVGE 523
Qy 519 GTFGQLCRHYG-DQVDRVLGLTAAVFSVSHLHADHTGLPSILLQERALASLGKPLHPLL 577
Db 524 GTYQYRAVFGEDGCKQLLVNLNLCVLIITHAQDHNGLYTIIARKKEAFESLGAPYRPLV 583
Qy 578 VVAPNQLKAWIQOYHNQCOEVLHHSMT-----PAKLOGBAIBSP----- 619
Db 584 LVCNRNLKPKTY-SICFENIEHLLEIVDISRYPLTPPGFSGPGPKRPLSPHLPSP 642
Qy 620 -AVERLTSSL-LRTCDLEEFQTLVRHCKHAFGALVHTSGWKVYSGDTPMCEALVRM 676
Db 643 RDVLQDMSSDPKKAWKIDELKAVQVHTRVANG-FVNRVAGKRVFSGDTKPCDLLVEE 701
Qy 677 GKDATLLIHEATLEDGLE-----EEAVEKTHSTTSQAISVGMMAEF 719
Db 702 GKADVLVHSTFEDGHEVDMTPPKPKLAKTSSILADAMRKRHSTMGQAVDVGKRMNAKH 761
Qy 720 IMLNHSORYAKVPLFSNF--SEKVGAFDHMKVCFGDFPTMPKLIPLKALFAGDIEE 777
Db 762 IILTHFSARYPKVPL-BEYLDKENIGVANDMLRVDFDHLPLVSKLLEFIREVFVAELFE 820
Qy 778 MEERREKREL 788
Db 821 LTIKKEQVLIK 831

RESULT 7
US-09-315-794-52
; Sequence 52, Application US/09315794
; Patent No. 6197517
; GENERAL INFORMATION:
; APPLICANT: Roberts, Christopher J.
; TITLE OF INVENTION: ESSENTIAL GENES OF YEAST AS TARGETS FOR ANTIFUNGAL
; TITLE OF INVENTION: AGENTS, HERBICIDES, INSECTICIDES AND ANTI-PROLIFERATION
; TITLE OF INVENTION: DRUGS
; FILE REFERENCE: 9301-053
; CURRENT APPLICATION NUMBER: US/09/315,794
; CURRENT FILING DATE: 1999-05-21
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 52
; LENGTH: 838
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-09-315-794-52
Query Match 13.9%; Score 599.5; DB 3; Length 838;
Best Local Similarity 25.7%; Pred. No. 2.9e-49;
Matches 221; Conservative 138; Mismatches 290; Indels 211; Gaps 36;
Qy 82 RYLF-NCBGGVQRLMQEHLKVARLDNIPLT-RMHSNVGGLSGMLITLKENGLPKCVLS 139

Db 28 KYFFGKIGSGORSUTENKIRISKUDIFLTGELNWSDIGGLPGMLITTIADQOKSNLVUH 87
Qy 140 GPQLEKYLEAIFKFSGLKGLIELAVRPHSAPE---YEDETMTVYQIPI---HSEORRQK 193
Db 88 YGNDILNIYIVSTWRYFVFRFGIDL--NDHIMKDKKEYVKDKILIAVKSFNVLKNGGEDRLGV 145
Qy 194 HQPWQS-----PERPLSRSPERSSDSESNENEPHLPCHGVSRGVRDSSLVY 241
Db 146 FDSFGQGVLSRISIVAKMPPKHAETDRYDP--SSDPHLNVELPDL-----DAKVEV 192
Qy 242 AFTCKLHLK--RGNFLVLKAKEMGLPVGTAAIAPIIAAOKGKSIT-HEGREILABELCT 298
Db 193 STNYEISFSPVRGKFKVBEAIIKGVKPG-----PLFAKLTGQTTILDNGIVVTPQVLE 247
Qy 299 PPDGGAFAVVVECPDESFIQICENATFORQYQKADAPVALVHMAPASVLVDSRYQOMM 358
Db 248 NERHFAKVLIDIPDDLYL-----NAFVEKFKDYDCAELGMVYFGLGDEVTDNINLFAFI 302
Qy 359 ERGPDTHVLNENCASVHNLRSKHIQTLNLHDPDIPL-----LTSFRCK----- 406
Db 303 DIFE-----KNTYKGVNEMISH-----NKISPTISFEGSALTTLKALQVNNYN 348
Qy 407 --KEGPTLS-----VPMVQGECLLYQLRPRRE-----WORDAITCNP----- 443
Db 349 LPKTDVFSKDFYDRPDTPLSRGTSCKSQSEELNTIIEKDNHIFESQKNTVTFEPFRMN 408
Qy 444 -----BEFIVEALQLP-----NFOQSVQYERRSAQDGPAPA 474
Db 409 BEPMKCNINGEADAFQWEIPEEH-VKPLEFPLADVDTVINNLQHVDFNNNSAE----- 451
Qy 475 EKRSQPEIIFLTGSAIPMKIRNVSATLVNI-----SPDTSLLDCEGTFQQLCR 526
Db 462 --KKKVEIITLTGTSALPSKYRNVSTLVKVPFTDADGNTINRNIMLDAGENTLGTIHR 519
Qy 527 HYGD-QVDRVLGLTAAVFSVSHLHADHTGLPSILLQERALASLGKPLHPLVVAQNOLK 585
Db 520 MFSQLAVKSFQDLKMYLSHLHADHGLIISVL--NEWKYNRKDDETSIIYVVTB--- 573
Qy 586 AMLQOYHN-----CCQEVLLHHSIIPA-----KCLQEGA- 614
Db 574 -W-QYHKFVNMVLNLEKILKIKYISCEHFINDSFVRMQTSVPLAFNEILKENS 630
Qy 615 -----EISSPAVER---LISSLLRTCDLEEFQTLVRHCKHAFGALV-----HT 656
Db 631 QESNRKLEDRDSSYRDVDLIQWYEDLSIEYFQTCRAIHCWDWAYSNSITFRMDENNEHN 690
Qy 657 SGWKVYSGDTMPC--EALVRMGKDATLLIHEATLEDGLEEEAVEKTHSTTSQAISVGM 714
Db 691 T-FKVSYSGDTRENIKFSLEIGNSDLLIHEATLENQLLEDVAKKXCTINEAIGVSNK 749
Qy 715 MNAEFIMLNHSORYAKVPLFSNF---FSEKVGAFDHMKVCFGDFPTMPKLIPLKALF 771
Db 750 MNAKLLIITHFSORYPKLPOLDNNIDVMAREFCFAFDSMIVDYEKIGEQQORIFPELLNAF 809
Qy 772 AGDIEEMERREKRELQVR 791
Db 810 ---VEEKEBEEDVDDVESVQ 826
RESULT 8
US-09-389-341-52
; Sequence 52, Application US/09389341
; Patent No. 6200803
; GENERAL INFORMATION:
; APPLICANT: Roberts, Christopher J.
; TITLE OF INVENTION: ESSENTIAL GENES OF YEAST AS TARGETS FOR ANTIFUNGAL
; TITLE OF INVENTION: AGENTS, HERBICIDES, INSECTICIDES AND ANTI-PROLIFERATIVE
; TITLE OF INVENTION: DRUGS
; FILE REFERENCE: 9301-057
; CURRENT APPLICATION NUMBER: US/09/389,341
; CURRENT FILING DATE: 1999-09-02
; EARLIER APPLICATION NUMBER: 09/315,794

Db 574 -W-QYHFKVNEWLENKEIKRIKXISCEHFINDSFVRMTQSVPLAEFNEILKENS 630
QY 615 -----BISSPAVER---LISLLRTCDLEBFCQLVRHCKHAFGCALV-----HT 656
Db 631 QESNKLLEDRSSYRDVLDLIRQMYEDLSIEVFQICRAIHCDWAYNSITFRMDNNEHN 690
QY 657 SGNKVYSGDTWPC--EALVRMGKADLIIHATLEDEGEEAEVKTSTTSQAISVGM 714
Db 691 T-FKYSYSGDTFRNIEKESLEIGYNSDLIIHATLEDEDAVKKHCHTINEAIGVSNK 749
QY 715 MNAEFIMLNHFSQYAKVPLRSPN--PSEKVGVAFDHMKVCFGDFPTMPKLIPPLKALF 771
Db 750 MNARKLILTHFSQRPKPLQDNNIDVWAREFCFADSMIVDYEKIGEQCQIFPLLNKAF 809
QY 772 AGDIEMERERREKRELQVR 791
Db 810 ---VEEKEEEDVDVESVQ 826

RESULT 10

US-09-564-805-211
; Sequence 211, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,469
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 211
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-564-805-211

Query Match 9.7%; Score 420; DB 4; Length 81;
Best Local Similarity 100.0%; Pred. No. 2.1e-33; Mismatches 0; Indels 0; Gaps 0;
Matches 81; Conservative 0;

QY 1 MWALCSLLRSAAGRMTSQRTISQAPARRERPKDPLRLHRTREKRGSGCGGPNVTYVL 60
Db 1 MWALCSLLRSAAGRMTSQRTISQAPARRERPKDPLRLHRTREKRGSGCGGPNVTYVL 60

QY 61 QVVAAGSRDSGAALYVFSEFN 81

Db 61 QVVAAGSRDSGAALYVFSEFN 81

RESULT 11

US-09-564-805-232
; Sequence 232, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258

; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,469
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 232
; LENGTH: 307
; TYPE: PRT
; ORGANISM: Methanobacterium thermoautotrophicum
US-09-564-805-232

Query Match 6.5%; Score 281; DB 4; Length 307;
Best Local Similarity 28.2%; Pred. No. 8.2e-19; Mismatches 45; Indels 76; Gaps 11;
Matches 84; Conservative 45;

QY 482 EIIFLGTGSAIPMKIRNVSATLVNISPDTSLLDCCGEGTGCQLCRHYGDQVDRVLG--- 537

Db 3 EVTFLGTSSAVPSKVRNHTSIALRI-PGEIFLDCGEGTQOMA-----LAGISPM 52

QY 538 TLAADVSHLHADHTGLPSILIQ-----RERALASLQKP-LHPLLVAQNQLKAWLQY 591

Db 53 KVTIRIFITHLGHILGIPGMIOQMGRGREPELDIYGPFGIHEL----- 97

QY 592 HNCQOEVLHISM--IPAKCLOGEARI-----SSPAVERLISLLRTCDLEEFQTC 640

Db 98 -HECIMKMGYFTLDPLINHEVRGGTVVEDDYRVTSAPASHSVFN--LAYCEEKRRPR 154

QY 641 LVRHCKHAFGC-----ALVH-----TSQWKVYSGDTMPCEAL 673

Db 155 FLREKALALGLKPGAFGLHRIIPVRVGDRIIMPEVLGSPRKGVKVCYSGDTRPCESV 214

QY 674 VRMGKDATLIIHATLEDEGEEAEVKTSTTSQAISVGMNNAEFIMLNHFSQRYAK 731

Db 215 IKTAEGAELIHESTLEAGSEDKAESGHSSTAREAEVARSAGVKRLILTHLSRYKR 272

RESULT 12

US-09-564-805-213
; Sequence 213, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,469
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 213
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-564-805-213

Query Match 6.4%; Score 278; DB 4; Length 73;
Best Local Similarity 74.1%; Pred. No. 1.4e-19; Mismatches 60; Conservative 2; Mismatches 11; Indels 8; Gaps 2;

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Db 1 MWALCSLLRSAAGRMTSQRTISQAPARRERPKDPLRLHRTREKRGSGCGGPNVTYVL 52

Db 240 VIVHEATFKHDMADKANSRGHSTIOAELAKKANAKGLIITHISSRYS--PKETPELLA 297
Qy 742 KVGVAFDHMKVCFGDEPT 759
Db 298 ECHTIFDNTQIA-SDFET 314

Search completed: July 28, 2004, 14:34:41
Job time : 24 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 28, 2004, 14:33:15 ; Search time 50 Seconds
(without alignments)
5182.042 Million cell updates/sec

Title: US-09-434-382-2

Perfect score: 4325

Sequence: 1 MWALCSLLRSAAAGRTMSQGR.....EPQKRAHTBEPQAKVRAQ 826

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1291235 seqs, 313602936 residues

Total number of hits satisfying chosen parameters: 1291235

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	4325	100.0	826	10	US-09-988-687-2 Sequence 2, Appli
3	4325	100.0	826	10	US-09-988-686-2 Sequence 2, Appli
4	4283	99.0	826	10	US-09-988-626-224 Sequence 224, App
5	4283	99.0	826	10	US-09-988-687-224 Sequence 224, App
6	4283	99.0	826	10	US-09-988-686-224 Sequence 224, App
7	4261	98.5	826	10	US-09-988-626-226 Sequence 226, App
8	4261	98.5	826	10	US-09-988-687-226 Sequence 226, App
9	4261	98.5	826	10	US-09-988-686-226 Sequence 226, App
10	4189.5	96.9	807	15	US-10-108-260A-2725 Sequence 2725, Ap
11	3473.5	80.3	822	10	US-09-988-626-222 Sequence 222, App
12	3473.5	80.3	822	10	US-09-988-687-222 Sequence 222, App
13	3473.5	80.3	822	10	US-09-988-686-222 Sequence 222, App
14	875.5	20.2	837	10	US-09-988-626-228 Sequence 228, App
15	875.5	20.2	837	10	US-09-988-687-228 Sequence 228, App

16 875.5 20.2 837 10 US-09-988-686-228 Sequence 228, App
17 760 17.6 844 10 US-09-988-626-227 Sequence 227, App
18 760 17.6 844 10 US-09-988-687-227 Sequence 227, App
19 760 17.6 844 10 US-09-988-686-227 Sequence 227, App
20 702 16.2 616 12 US-10-425-114-71464 Sequence 71464, A
21 672 15.5 922 14 US-10-128-714-8524 Sequence 8524, Ap
22 613 14.2 949 14 US-10-128-714-8524 Sequence 8524, Ap
23 599.5 13.9 838 10 US-09-988-626-229 Sequence 229, App
24 599.5 13.9 838 10 US-09-988-687-229 Sequence 229, App
25 599.5 13.9 838 10 US-09-988-686-229 Sequence 229, App
26 470.5 10.9 808 14 US-10-032-585-7388 Sequence 7388, Ap
27 428 9.9 947 16 US-10-437-963-178527 Sequence 178527,
28 420 9.7 81 10 US-09-988-626-211 Sequence 211, App
29 420 9.7 81 10 US-09-988-687-211 Sequence 211, App
30 420 9.7 81 10 US-09-988-686-211 Sequence 211, App
31 285 6.6 134 12 US-10-424-593-233965 Sequence 233965,
32 281 6.5 307 10 US-09-988-626-232 Sequence 232, App
33 281 6.5 307 10 US-09-988-687-232 Sequence 232, App
34 281 6.5 307 10 US-09-988-686-232 Sequence 232, App
35 278 6.4 73 10 US-09-988-626-213 Sequence 213, App
36 278 6.4 73 10 US-09-988-687-213 Sequence 213, App
37 278 6.4 73 10 US-09-988-686-213 Sequence 213, App
38 275 6.4 311 10 US-09-988-626-230 Sequence 230, App
39 275 6.4 311 10 US-09-988-687-230 Sequence 230, App
40 275 6.4 311 10 US-09-988-686-230 Sequence 230, App
41 275 6.4 311 14 US-10-190-279-20 Sequence 20, Appl
42 245.5 5.7 363 10 US-09-988-626-220 Sequence 220, App
43 245.5 5.7 363 10 US-09-988-687-220 Sequence 220, App
44 245.5 5.7 363 10 US-09-988-686-220 Sequence 220, App
45 243.5 5.6 326 10 US-09-988-626-231 Sequence 231, App

ALIGNMENTS

RESULT 1

US-09-988-626-2
; Sequence 2, Application US/09988625
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 2
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-988-626-2

Query Match 100.0%; Score 4325; DB 10; Length 826;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MWALCSLLRSAAAGRTMSQGRTPKQPLRLHRTREKGPSCGGPNTVYL 60

QY 61 QVVAAGSRGSGAALYVFSEFNRYLFCNGGQVQLMQEHLKVARLDNIFLTRMHSNVGG 120

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Db 1 QVVAAGSRDGAALYVFSFNRYLFCGEGVORLMOEHKLVARLDNIPLTRMHSNVGG 120
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Db 121 LSGMILTLETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDTMTV 180
QY 181 YQPIHSEORRGKHQWQSPERPLSLSPERSDSSESNENEPHLPHGVSRQGVDSLV 240
Db 181 YQPIHSEORRGKHQWQSPERPLSLSPERSDSSESNENEPHLPHGVSRQGVDSLV 240
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Db 241 VAFICKLHLKRGFLVFKAKEMGLPVGTAAIPIIAAVKDGKSIITHEGREILAEELCTPP 300
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Db 301 DPGAAAVVVECPDESFIQICENATFORQYOGKADAPVALVHMAPASVLVDSRYOQWME 360
QY 361 FGPDTQHLVLNENCASVHNLRSKHIQTQNLNIHPDIIFPLLTFRCKKEGPTLSVPMVOGE 420
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QY 481 PEIIFLGTSALPMKIRNVSATLVNISPDTSLLDCGEGTFGOLCRHYGDQVDRVLGTILA 540
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RESULT 2
 US-09-988-687-2
 ; Sequence 2, Application US/09988687
 ; Publication No. US20030045704A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavtigan, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
 ; FILE OF INVENTION: Gene and a Paralog and Orthologous Genes
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09/988,687
 ; CURRENT FILING DATE: 2001-11-20
 ; PRIOR APPLICATION NUMBER: 09/564,805
 ; PRIOR FILING DATE: 2000-05-05
 ; PRIOR APPLICATION NUMBER: US 60/107,468
 ; PRIOR FILING DATE: 1998-11-06
 ; PRIOR APPLICATION NUMBER: 09/434,382
 ; PRIOR FILING DATE: 1999-11-05

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; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-988-687-2

Query Watch      100.0%; Score 4325; DB 10; Length 826;
Best Local Similarity 100.0%; Pred No. 0;
Matches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 3
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 ; Sequence 2, Application US/09988686
 ; Publication No. US20030120052A1

GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,686
; CURRENT FILING DATE: 2001-11-20
; PRIOR FILING DATE: 2000-05-05
; PRIOR FILING DATE: 2000-05-05
; PRIOR FILING DATE: 2000-05-05
; PRIOR FILING DATE: 1998-11-06
; PRIOR FILING DATE: 1998-11-06
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-988-686-2

Query Match 100.0%; Score 4325; DB 10; Length 826;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 241 VAFICKLHKGNFVLKAKEMGLPVGTAAPIAAVKDGKSIITHEGREILABELCTPP 300
DB 241 VAFICKLHKGNFVLKAKEMGLPVGTAAPIAAVKDGKSIITHEGREILABELCTPP 300

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QY 781 RREKRELQVRAALLSRELAGGLEGEPOQKRAHTEEPQAKKVRQA 826
DB 781 RREKRELQVRAALLSRELAGGLEGEPOQKRAHTEEPQAKKVRQA 826

RESULT 4
US-09-988-626-224
; Sequence 224; Application US/09988626
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; CURRENT FILING DATE: 2001-11-20
; PRIOR FILING DATE: 2000-05-05
; PRIOR FILING DATE: 2000-05-05
; PRIOR FILING DATE: 1998-11-06
; PRIOR FILING DATE: 1998-11-06
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 224
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Pan troglodytes
US-09-988-626-224

Query Match 99.0%; Score 4283; DB 10; Length 826;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 817; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

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DB 1 MWALCSILRSAAAGRTMSQGRITISQAPARRPRKDPRLHRLTRKRGPSGCGGNTVYL 60

QY 61 QVVAAGSDSGAALYVFSEFNRYLFCNCGEGVQRLMOEHKLVARLDNIFLTRMHSNVGG 120
DB 61 QVVAAGSDSGAALYVFSEFNRYLFCNCGEGVQRLMOEHKLVARLDNIFLTRMHSNVGG 120

QY 121 LSGMILTILKETGLPKCVLSGPPQLEKYLEAIFSGPLKGIELAVRPHSAPEYEDMTV 180
DB 121 LSGMILTILKETGLPKCVLSGPPQLEKYLEAIFSGPLKGIELAVRPHSAPEYEDMTV 180

QY 181 YOPIHSEQRGKHQWQSPERPLSRSPSSSDSENENEPHLPHGVSQRRGVRDSSLV 240
DB 181 YOPIHSEQRGKHQWQSPERPLSRSPSSSDSENENEPHLPHGVSQRRGVRDSSLV 240

QY 241 VAFICKLHKGNFVLKAKEMGLPVGTAAPIAAVKDGKSIITHEGREILABELCTPP 300
DB 241 VAFICKLHKGNFVLKAKEMGLPVGTAAPIAAVKDGKSIITHEGREILABELCTPP 300

QY 301 DPGAAFFVVECPDESFIQPI CENATFORQYQKADAPVALVVMAPASVLDVSRVQWMER 360
DB 301 DPGAAFFVVECPDESFIQPI CENATFORQYQKADAPVALVVMAPASVLDVSRVQWMER 360

QY 361 FGPDTOHLVLNENCASVHNLRSKIQTLNLIHPDIFPLLTSFRCKEGPTLSVPMVQGE 420
DB 361 FGPDTOHLVLNENCASVHNLRSKIQTLNLIHPDIFPLLTSFRCKEGPTLSVPMVQGE 420

QY 421 CLKYQLRPRRQWDAITCNPEEFIVLALQPNFQSVQVYRRAQDGPAPAKRSQY 480
DB 421 CLKYQLRPRRQWDAITCNPEEFIVLALQPNFQSVQVYRRAQDGPAPAKRSQY 480
QY 481 PEIIFLTGSAIPMKIRNVSAITLVNISPDTSLLDGEGTGGOLCRHYGQVDRVLGTIA 540
DB 481 PEIIFLTGSAIPMKIRNVSAITLVNISPDTSLLDGEGTGGOLCRHYGQVDRVLGTIA 540
QY 541 AVFVSHLHADHTGLPILQRRALASLGKPLHLLVAPNOLKAWLQOYHNCQEVILH 600
DB 541 AVFVSHLHADHTGLPILQRRALASLGKPLHLLVAPNOLKAWLQOYHNCQEVILH 600
QY 601 HISMIKALQEGAEISSPAVERLISSLLRTCDLEEFQTCVLRHCKHAFGCAVHTSGWK 660
DB 601 HISMIKALQEGAEISSPAVERLISSLLRTCDLEEFQTCVLRHCKHAFGCAVHTSGWK 660
QY 661 VYSGDTMPCEALVRMGKDATLLIHEATLEDGLEEAEVETKSTTSQALISVGMWNAEFI 720
DB 661 VYSGDTMPCEALVRMGKDATLLIHEATLEDGLEEAEVETKSTTSQALISVGMWNAEFI 720
QY 721 MLNHFQRYAKVPLFSPNFSEKVGVAFDHMKVCFDGFPTMPKLIPLKALFAGDIEEMEE 780
DB 721 MLNHFQRYAKVPLFSPNFSEKVGVAFDHMKVCFDGFPTMPKLIPLKALFAGDIEEMEE 780
QY 781 RREKRELQVRAALLSRELAGGEDGEPOQKRAHTEEPQAKKVRQA 826
DB 781 RREKRELQVRAALLSRELAGGEDGEPOQKRAHTEEPQAKKVRQA 826

RESULT 5
US-09-988-687-224
; Sequence 224, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT FILING DATE: 2001-11-20
; PRIOR FILING DATE: 2001-11-20
; PRIOR FILING DATE: 2000-05-05
; PRIOR FILING DATE: 1998-11-06
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 224
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Pan troglodytes
US-09-988-687-224

Query Match 99.0%; Score 4283; DB 10; Length 826;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 817; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 1 MWALCSLRSAGRTMSQRTISQAPARRPRKDPRLHRLTREKRGFSGSGGNTVYL 60
DB 1 MWALCSLRSAGRTMSQRTISQAPARRPRKDPRLHRLTREKRGFSGSGGNTVYL 60
QY 61 QVVAAGSDSGAALVYSEFNRYLNCGEGVQRLMOEHLKVAIRDNIIFLRHWSNVGG 120
DB 61 QVVAAGSDSGAALVYSEFNRYLNCGEGVQRLMOEHLKVAIRDNIIFLRHWSNVGG 120
QY 121 LSGMILTILKETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDETMTV 180

DB 121 LSGMILTILKETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDETMTV 180
QY 181 YQIPIHSEQRGKHQPMQSPERPLSRISPERSSDSSENENEPHLPKGVORRGVROSSLV 240
DB 181 YQIPIHSEQRGKHQPMQSPERPLSRISPERSSDSSENENEPHLPKGVORRGVROSSLV 240
QY 241 VAFICKLHLKRGFLVLKAKEMGLPVGTAAIAPIIAVKDGKSIITHEGREILAEELCTPP 300
DB 241 VAFICKLHLKRGFLVLKAKEMGLPVGTAAIAPIIAVKDGKSIITHEGREILAEELCTPP 300
QY 301 DPGNAFVVVECPDESFTQPIICENATQRYOGKADAPVALVWHPAPASVLVDSYQOMMER 360
DB 301 DPGNAFVVVECPDESFTQPIICENATQRYOGKADAPVALVWHPAPASVLVDSYQOMMER 360
QY 361 FGPDTQHLVLNENCASVHNLRSKHIQTQLNLIHPDIFPLLTSPCKKEGPTLSVPVQGE 420
DB 361 FGPDTQHLVLNENCASVHNLRSKHIQTQLNLIHPDIFPLLTSPCKKEGPTLSVPVQGE 420
QY 421 CLKYQLRPRRQWDAITCNPEEFIVLALQPNFQSVQVYRRAQDGPAPAKRSQY 480
DB 421 CLKYQLRPRRQWDAITCNPEEFIVLALQPNFQSVQVYRRAQDGPAPAKRSQY 480
QY 481 PEIIFLTGSAIPMKIRNVSAITLVNISPDTSLLDGEGTGGOLCRHYGQVDRVLGTIA 540
DB 481 PEIIFLTGSAIPMKIRNVSAITLVNISPDTSLLDGEGTGGOLCRHYGQVDRVLGTIA 540
QY 541 AVFVSHLHADHTGLPILQRRALASLGKPLHLLVAPNOLKAWLQOYHNCQEVILH 600
DB 541 AVFVSHLHADHTGLPILQRRALASLGKPLHLLVAPNOLKAWLQOYHNCQEVILH 600
QY 601 HISMIKALQEGAEISSPAVERLISSLLRTCDLEEFQTCVLRHCKHAFGCAVHTSGWK 660
DB 601 HISMIKALQEGAEISSPAVERLISSLLRTCDLEEFQTCVLRHCKHAFGCAVHTSGWK 660
QY 661 VYSGDTMPCEALVRMGKDATLLIHEATLEDGLEEAEVETKSTTSQALISVGMWNAEFI 720
DB 661 VYSGDTMPCEALVRMGKDATLLIHEATLEDGLEEAEVETKSTTSQALISVGMWNAEFI 720
QY 721 MLNHFQRYAKVPLFSPNFSEKVGVAFDHMKVCFDGFPTMPKLIPLKALFAGDIEEMEE 780
DB 721 MLNHFQRYAKVPLFSPNFSEKVGVAFDHMKVCFDGFPTMPKLIPLKALFAGDIEEMEE 780
QY 781 RREKRELQVRAALLSRELAGGEDGEPOQKRAHTEEPQAKKVRQA 826
DB 781 RREKRELQVRAALLSRELAGGEDGEPOQKRAHTEEPQAKKVRQA 826

RESULT 6
US-09-988-686-224
; Sequence 224, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT FILING DATE: 2001-11-20
; PRIOR FILING DATE: 2001-11-20
; PRIOR FILING DATE: 2000-05-05
; PRIOR FILING DATE: 1998-11-06
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 224
; LENGTH: 826
; TYPE: PRT

ORGANISM: Pan troglodytes
US-09-988-686-224

Query Match 99.0%; Score 4283; DB 10; Length 826;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 814; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

1 MWALCSLLRSAAAGRTMSQGRITISQAPARRERPRKDPRLHRLTRKRGPSGCGPNTVYL 60
1 MWALCSLLRSAAAGRTMSQGRITISQAPARRERPRKDPRLHRLTRKRGPSGCGPNTVYL 60
61 QVVAAGSDSAAALYVFSEFNRYLFCGEGVQRLMOEHKLVARLDNIFLTRMHSNVGG 120
61 QVVAAGSDSAAALYVFSEFNRYLFCGEGVQRLMOEHKLVARLDNIFLTRMHSNVGG 120
121 LSGMILTLETGPKCVLSGPPQLEKYLEAKIFSGPLKGLIELAVRPHSAPEYDEMTV 180
121 LSGMILTLETGPKCVLSGPPQLEKYLEAKIFSGPLKGLIELAVRPHSAPEYDEMTV 180
181 YQPIHSEQRGKHQWQSPERPLSLSPERSSDSESNENEPHLPHGVSORRGVDRSSLV 240
181 YQPIHSEQRGKHQWQSPERPLSLSPERSSDSESNENEPHLPHGVSORRGVDRSSLV 240
241 VAFICKLHLKRGFLVLKAKEMGLPVGTAAIAPITAAVKDGKSI THEGREILABELCTPP 300
241 VAFICKLHLKRGFLVLKAKEMGLPVGTAAIAPITAAVKDGKSI THEGREILABELCTPP 300
301 DPGAAFFVVECPDESFIQPI CENATFORYOGKADAPVALVVMHAPASVLDVSRVQWNER 360
301 DPGAAFFVVECPDESFIQPI CENATFORYOGKADAPVALVVMHAPASVLDVSRVQWNER 360
361 FGPDTHLVNENCASVHNLRSKIQTLNLIHDPDI FPLLTSPCKKEGPTLSVPMVOGE 420
361 FGPDTHLVNENCASVHNLRSKIQTLNLIHDPDI FPLLTSPCKKEGPTLSVPMVOGE 420
421 CLLYQLRPRREWQDAIITCNPEEFIVEALQLPNFQSVQVEYRASAQDGPAPEKRSQY 480
421 CLLYQLRPRREWQDAIITCNPEEFIVEALQLPNFQSVQVEYRASAQDGPAPEKRSQY 480
481 PEIIFLGTSALPMKIRNVSATLVNISPDTSLLDGEGTFCQLCRHVGDDVDRVLGTLA 540
481 PEIIFLGTSALPMKIRNVSATLVNISPDTSLLDGEGTFCQLCRHVGDDVDRVLGTLA 540
541 AVFVSHLHADHTGLNILLQREALASLGKPLHPLLVAPNQLKAMQQHNCQCEVLH 600
541 AVFVSHLHADHTGLNILLQREALASLGKPLHPLLVAPNQLKAMQQHNCQCEVLH 600
601 HISMPAKCLOEGAEISSPAVERLISSLLRTCDLEEFQTLVRHCKHAFGCALVHTSGWK 660
601 HISMPAKCLOEGAEISSPAVERLISSLLRTCDLEEFQTLVRHCKHAFGCALVHTSGWK 660
661 VVYSGDTMPCALVRMGKDATLLIHEATLEDGLEEAEVETKSTTSQAISVGMNNAEFI 720
661 VVYSGDTMPCALVRMGKDATLLIHEATLEDGLEEAEVETKSTTSQAISVGMNNAEFI 720
721 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFDFTMPKLIPLPKALFAGDIEEMEE 780
721 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFDFTMPKLIPLPKALFAGDIEEMEE 780

ORGANISM: Gorilla gorilla
US-09-988-626-226

Query Match 98.5%; Score 4261; DB 10; Length 826;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 814; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

1 MWALCSLLRSAAAGRTMSQGRITISQAPARRERPRKDPRLHRLTRKRGPSGCGPNTVYL 60
1 MWALCSLLRSAAAGRTMSQGRITISQAPARRERPRKDPRLHRLTRKRGPSGCGPNTVYL 60
61 QVVAAGSDSAAALYVFSEFNRYLFCGEGVQRLMOEHKLVARLDNIFLTRMHSNVGG 120
61 QVVAAGSDSAAALYVFSEFNRYLFCGEGVQRLMOEHKLVARLDNIFLTRMHSNVGG 120
121 LSGMILTLETGPKCVLSGPPQLEKYLEAKIFSGPLKGLIELAVRPHSAPEYDEMTV 180
121 LSGMILTLETGPKCVLSGPPQLEKYLEAKIFSGPLKGLIELAVRPHSAPEYDEMTV 180
181 YQPIHSEQRGKHQWQSPERPLSLSPERSSDSESNENEPHLPHGVSORRGVDRSSLV 240
181 YQPIHSEQRGKHQWQSPERPLSLSPERSSDSESNENEPHLPHGVSORRGVDRSSLV 240
241 VAFICKLHLKRGFLVLKAKEMGLPVGTAAIAPITAAVKDGKSI THEGREILABELCTPP 300
241 VAFICKLHLKRGFLVLKAKEMGLPVGTAAIAPITAAVKDGKSI THEGREILABELCTPP 300
301 DPGAAFFVVECPDESFIQPI CENATFORYOGKADAPVALVVMHAPASVLDVSRVQWNER 360
301 DPGAAFFVVECPDESFIQPI CENATFORYOGKADAPVALVVMHAPASVLDVSRVQWNER 360
361 FGPDTHLVNENCASVHNLRSKIQTLNLIHDPDI FPLLTSPCKKEGPTLSVPMVOGE 420
361 FGPDTHLVNENCASVHNLRSKIQTLNLIHDPDI FPLLTSPCKKEGPTLSVPMVOGE 420
421 CLLYQLRPRREWQDAIITCNPEEFIVEALQLPNFQSVQVEYRASAQDGPAPEKRSQY 480
421 CLLYQLRPRREWQDAIITCNPEEFIVEALQLPNFQSVQVEYRASAQDGPAPEKRSQY 480
481 PEIIFLGTSALPMKIRNVSATLVNISPDTSLLDGEGTFCQLCRHVGDDVDRVLGTLA 540
481 PEIIFLGTSALPMKIRNVSATLVNISPDTSLLDGEGTFCQLCRHVGDDVDRVLGTLA 540
541 AVFVSHLHADHTGLNILLQREALASLGKPLHPLLVAPNQLKAMQQHNCQCEVLH 600
541 AVFVSHLHADHTGLNILLQREALASLGKPLHPLLVAPNQLKAMQQHNCQCEVLH 600
601 HISMPAKCLOEGAEISSPAVERLISSLLRTCDLEEFQTLVRHCKHAFGCALVHTSGWK 660
601 HISMPAKCLOEGAEISSPAVERLISSLLRTCDLEEFQTLVRHCKHAFGCALVHTSGWK 660
661 VVYSGDTMPCALVRMGKDATLLIHEATLEDGLEEAEVETKSTTSQAISVGMNNAEFI 720
661 VVYSGDTMPCALVRMGKDATLLIHEATLEDGLEEAEVETKSTTSQAISVGMNNAEFI 720
721 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFDFTMPKLIPLPKALFAGDIEEMEE 780
721 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFDFTMPKLIPLPKALFAGDIEEMEE 780

RESULT 7
US-09-988-626-226
Sequence 226, Application US/09988626
Publication No. US20030044959A1
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.

Db 721 MLNHSORYAKVPLFSNFNEKVGAFDMKVCFGDPTMPKLIPLKALFAGDIEEMEE 780
QY 781 RREKREURQVRAALLSRELAGGLEDGEPQOKRAHTEEPQAKKVRQA 826
Db 781 RREKREURQVRAALLSRELAGGLEDGEPQOKRAHTEEPQAKKVRQA 826
RESULT 8
US-09-988-687-226
; Sequence 226, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 226
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Gorilla gorilla
US-09-988-687-226

Query Match 98.5%; Score 4261; DB 10; Length 826;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 814; Conservative 5; Mismatches 7; Indels 0; Gaps 0;
QY 1 MWALCSLLRSAGRTMSQGRRTISQAPARRERPKDPLHLRTREKRGSGCGGNTVYL 60
Db 1 MWALCSLLRSAGRTMSQGRRTISQAPARRERPKDPLHLRTREKRGSGCGGNTVYL 60
QY 61 QVVAAGSRDGAALVYFSEFNRYLFCGEGVQRLMQEHKLVARLDNIFLTMHWSNVC 120
Db 61 QVVAAGSRDGAALVYFSEFNRYLFCGEGVQRLMQEHKLVARLDNIFLTMHWSNVC 120
QY 121 LSGMILTLETGLPKVLSGPPQLEKYLEAIKIFSGPLKGLIELAVRPHSAPEYEDTMTV 180
Db 121 LSGMILTLETGLPKVLSGPPQLEKYLEAIKIFSGPLKGLIELAVRPHSAPEYEDTMTV 180
QY 181 YOPIHSEQRGRKHQWQSPERPLSRLSPERSDSSENNENEPHLPHGVQRRGVDSLV 240
Db 181 YOPIHSEQRGRKHQWQSPERPLSRLSPERSDSSENNENEPHLPHGVQRRGVDSLV 240
QY 241 VAFICKLHLKRGNFVLKAKENGLPVGTAATIAAVKDGKSIHGREILABELCTTP 300
Db 241 VAFICKLHLKRGNFVLKAKENGLPVGTAATIAAVKDGKSIHGREILABELCTTP 300
QY 301 DGAAFVVECPDESFIQIENATFQYQKADAPVALVHMAPASVLVDSRYQOWMER 360
Db 301 DGAAFVVECPDESFIQIENATFQYQKADAPVALVHMAPASVLVDSRYQOWMER 360
QY 361 FGPDTQHLVLNENCASVHNLRSKIQTLNLIHPDIPLLTSPFKKGGPTLSVPMVQGE 420
Db 361 FGPDTQHLVLNENCASVHNLRSKIQTLNLIHPDIPLLTSPFKKGGPTLSVPMVQGE 420
QY 421 CLLKYQLRPREWQDAITITCNPEEFIVFALQLNFOQSVQYRRSACDGPAPAEKRSQY 480
Db 421 CLLKYQLRPREWQDAITITCNPEEFIVFALQLNFOQSVQYRRSACDGPAPAEKRSQY 480

QY 481 PEIIFLGTGSAIPMKIRNVSATLVNISPDTSLLLDCGEGTGGQLCRHYGQVQVDRVLGTLA 540
Db 481 PEIIFLGTGSAIPMKIRNVSATLVNISPDTSLLLDCGEGTGGQLCRHYGQVQVDRVLGTLA 540
QY 541 AVFVSHLHADHTGLPSILLQREALASLQKPLHPLLVAPNQLKAWLQOYHNCQCEVLH 600
Db 541 AVFVSHLHADHTGLPSILLQREALASLQKPLHPLLVAPNQLKAWLQOYHNCQCEVLH 600
QY 601 HISMPAKCLOEGAEISSPAVERLISSLLRTCDLEEFQTCLEVRCHKHAFCALVHTSGWK 660
Db 601 HISMPAKCLOEGAEISSPAVERLISSLLRTCDLEEFQTCLEVRCHKHAFCALVHTSGWK 660
QY 661 VVYSGDTPCEALVRMGKDATLLIHEATLEDGLEEEAVEKTHSTTSQAISVGMNMAEFI 720
Db 661 VVYSGDTPCEALVRMGKDATLLIHEATLEDGLEEEAVEKTHSTTSQAISVGMNMAEFI 720
QY 721 MLNHSORYAKVPLFSNFNEKVGAFDMKVCFGDPTMPKLIPLKALFAGDIEEMEE 780
Db 721 MLNHSORYAKVPLFSNFNEKVGAFDMKVCFGDPTMPKLIPLKALFAGDIEEMEE 780
QY 781 RREKREURQVRAALLSRELAGGLEDGEPQOKRAHTEEPQAKKVRQA 826
Db 781 RREKREURQVRAALLSRELAGGLEDGEPQOKRAHTEEPQAKKVRQA 826

RESULT 9
US-09-988-686-226
; Sequence 226, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,686
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 226
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Gorilla gorilla
US-09-988-686-226

Query Match 98.5%; Score 4261; DB 10; Length 826;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 814; Conservative 5; Mismatches 7; Indels 0; Gaps 0;
QY 1 MWALCSLLRSAGRTMSQGRRTISQAPARRERPKDPLHLRTREKRGSGCGGNTVYL 60
Db 1 MWALCSLLRSAGRTMSQGRRTISQAPARRERPKDPLHLRTREKRGSGCGGNTVYL 60
QY 61 QVVAAGSRDGAALVYFSEFNRYLFCGEGVQRLMQEHKLVARLDNIFLTMHWSNVC 120
Db 61 QVVAAGSRDGAALVYFSEFNRYLFCGEGVQRLMQEHKLVARLDNIFLTMHWSNVC 120
QY 121 LSGMILTLETGLPKVLSGPPQLEKYLEAIKIFSGPLKGLIELAVRPHSAPEYEDTMTV 180
Db 121 LSGMILTLETGLPKVLSGPPQLEKYLEAIKIFSGPLKGLIELAVRPHSAPEYEDTMTV 180
QY 181 YOPIHSEQRGRKHQWQSPERPLSRLSPERSDSSENNENEPHLPHGVQRRGVDSLV 240
Db 181 YOPIHSEQRGRKHQWQSPERPLSRLSPERSDSSENNENEPHLPHGVQRRGVDSLV 240

QY 241 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIAAVKDGKSIHGREILABELCTPP 300
 DB 241 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIAAVKDGKSIHGREILABELCTPP 300
 QY 301 DFGAAFFVVECPDESFIQPIENATFORYQKADAPVALVVMAPASVLDVSRQOMMER 360
 DB 301 DFGAAFFVVECPDESFIQPIENATFORYQKADAPVALVVMAPASVLDVSRQOMMER 360
 QY 361 FGPDTQHLVLNENCASVHNLRSKIKTQNLNLIHPDIFPILLTSFRCKEGFTLSVPMVQGE 420
 DB 361 FGPDTQHLVLNENCASVHNLRSKIKTQNLNLIHPDIFPILLTSFRCKEGFTLSVPMVQGE 420
 QY 421 CLKYQLPRPRREWORDAIITCNPEEFIVEALQLPNFQOSVOEYRRSAODGPAPAEKRSQY 480
 DB 421 CLKYQLPRPRREWORDAIITCNPEEFIVEALQLPNFQOSVOEYRRSAODGPAPAEKRSQY 480
 QY 481 PIIIFLTGSAIPMKIRNVSATLVNISPDTSLLDDCGEGTGGQLCRHYGDQVDRVLGTLA 540
 DB 481 PIIIFLTGSAIPMKIRNVSATLVNISPDTSLLDDCGEGTGGQLCRHYGDQVDRVLGTLA 540
 QY 541 AVFVSHLHADHTGLPSILLQORERASLGKPLHLLVAPNOLKAWLQQYHNCQOEVLH 600
 DB 541 AVFVSHLHADHTGLPSILLQORERASLGKPLHLLVAPNOLKAWLQQYHNCQOEVLH 600
 QY 601 HISMPAKCLOGBAETSSPAVERLISSLLRTCDLEEFOTCLVRHCKHAFGALVHTSGWK 660
 DB 601 HISMPAKCLOGBAETSSPAVERLISSLLRTCDLEEFOTCLVRHCKHAFGALVHTSGWK 660
 QY 661 VVYSGDTPMCEALVRMGKDATLLIHEATLEDGLEEAVERKTHSTTSQAI SVGMNNAEFI 720
 DB 661 VVYSGDTPMCEALVRMGKDATLLIHEATLEDGLEEAVERKTHSTTSQAI SVGMNNAEFI 720
 QY 721 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFGDFPTMPKLIPLKALFAGDIEEMEE 780
 DB 721 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFGDFPTMPKLIPLKALFAGDIEEMEE 780
 QY 781 RREKRELQVRAALLSRELAGLEDGEPQOKRAHTEEPQAKKVRQAQ 826
 DB 781 RREKRELQVRAALLSRELAGLEDGEPQOKRAHTEEPQAKKVRQAQ 826
 RESULT 10
 US-108-260A-2725
 ; Sequence 2725, Application US/10108260A
 ; Publication No. US20040005560A1
 ; GENERAL INFORMATION:
 ; APPLICANT: HELIX RESEARCH INSTITUTE
 ; TITLE OF INVENTION: No. US20040005560A1el full length cDNA
 ; FILE REFERENCE: H1-A0106
 ; CURRENT APPLICATION NUMBER: US/10/108,260A
 ; CURRENT FILING DATE: 2002-03-27
 ; NUMBER OF SEQ ID NOS: 5458
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 2725
 ; LENGTH: 807
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-108-260A-2725
 Query Match 96.9%; Score 4189.5; DB 15; Length 807;
 Best Local Similarity 97.5%; Pred. No. 0;
 Matches 805; Conservative 0; Mismatches 2; Indels 19; Gaps 1;
 QY 1 MWALCSLLSAGRTWSQRTTISOAPARRERPKDLRLHRLTREKRGPSGCGGNTVYL 60
 DB 1 MWALCSLLSAGRTWSQRTTISOAPARRERPKDLRLHRLTREKRGPSGCGGNTVYL 60
 QY 61 QVVAAGSRDSGAALYVFSEFNRLVFCNGEGVQRLMOEHLKVARLDNIFLTMRHMSNVGG 120
 DB 61 QVVAAGSRDS-----GVQELMQEHLKVARLDNIFLTMRHMSNVGG 101
 QY 121 LSGMILTLETGPKCVLSPPOLEKYLEAIFSGPLKGLIHLAVRPHSAPEYEDETMTV 180

DB 102 LSGMILTLETGPKCVLSPPOLEKYLEAIFSGPLKGLIHLAVRPHSAPEYEDETMTV 161
 QY 181 YQIPIHSEQRGKHQWQSPERPLSLSPERSDSESNEPELPHGVSGRRGVRDSSIV 240
 DB 162 YQIPIHSEQRGKHQWQSPERPLSLSPERSDSELNENEPHPLPHGVSGRRGVRDSSIV 221
 QY 241 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIAAVKDGKSIHGREILAEELCTPP 300
 DB 222 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIAAVKDGKSIHGREILAEELCTPP 281
 QY 301 DFGAAFFVVECPDESFIQPIENATFORYQKADAPVALVVMAPASVLDVSRQOMMER 360
 DB 282 DFGAAFFVVECPDESFIQPIENATFORYQKADAPVALVVMAPASVLDVSRQOMMER 341
 QY 361 FGPDTQHLVLNENCASVHNLRSKIKTQNLNLIHPDIFPILLTSFRCKEGFTLSVPMVQGE 420
 DB 342 FGPDTQHLVLNENCASVHNLRSKIKTQNLNLIHPDIFPILLTSFRCKEGFTLSVPMVQGE 401
 QY 421 CLKYQLPRPRREWORDAIITCNPEEFIVEALQLPNFQOSVOEYRRSAODGPAPAEKRSQY 480
 DB 402 CLKYQLPRPRREWORDAIITCNPEEFIVEALQLPNFQOSVOEYRRSAODGPAPAEKRSQY 461
 QY 481 PIIIFLTGSAIPMKIRNVSATLVNISPDTSLLDDCGEGTGGQLCRHYGDQVDRVLGTLA 540
 DB 462 PIIIFLTGSAIPMKIRNVSATLVNISPDTSLLDDCGEGTGGQLCRHYGDQVDRVLGTLA 521
 QY 541 AVFVSHLHADHTGLPSILLQORERASLGKPLHLLVAPNOLKAWLQQYHNCQOEVLH 600
 DB 522 AVFVSHLHADHTGLPSILLQORERASLGKPLHLLVAPNOLKAWLQQYHNCQOEVLH 581
 QY 601 HISMPAKCLOGBAETSSPAVERLISSLLRTCDLEEFOTCLVRHCKHAFGALVHTSGWK 660
 DB 582 HISMPAKCLOGBAETSSPAVERLISSLLRTCDLEEFOTCLVRHCKHAFGALVHTSGWK 641
 QY 661 VVYSGDTPMCEALVRMGKDATLLIHEATLEDGLEEAVERKTHSTTSQAI SVGMNNAEFI 720
 DB 642 VVYSGDTPMCEALVRMGKDATLLIHEATLEDGLEEAVERKTHSTTSQAI SVGMNNAEFI 701
 QY 721 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFGDFPTMPKLIPLKALFAGDIEEMEE 780
 DB 702 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFGDFPTMPKLIPLKALFAGDIEEMEE 761
 QY 781 RREKRELQVRAALLSRELAGLEDGEPQOKRAHTEEPQAKKVRQAQ 826
 DB 762 RREKRELQVRAALLSRELAGLEDGEPQOKRAHTEEPQAKKVRQAQ 807
 RESULT 11
 US-09-988-626-222
 ; Sequence 222, Application US/09988626
 ; Publication No. US200300044959A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavtigan, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09/988,626
 ; CURRENT FILING DATE: 2001-11-20
 ; PRIOR APPLICATION NUMBER: 09/564,805
 ; PRIOR FILING DATE: 2000-05-05
 ; PRIOR APPLICATION NUMBER: US 60/107,468
 ; PRIOR FILING DATE: 1998-11-06
 ; PRIOR APPLICATION NUMBER: 09/434,382
 ; PRIOR FILING DATE: 1999-11-05
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 222
 ; LENGTH: 822

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; TYPE: PRT
; ORGANISM: Mus musculus
US-09-988-626-222

Query Match      80.3%; Score 3473.5; DB 10; Length 822;
Best Local Similarity 80.5%; Pred. No. 0;
Matches 665; Conservative 66; Mismatches 76; Indels 19; Gaps 6;

QY 1 MWALCSLLRGAAGRTWSQGRRTISQAPARRPRPKDPLRLHRTREKRGSGCGGNTVYL 60
DB 1 MWALRLLRPLGLRTWSQ-----SARRPRPKDPLRLHRTREKRGPG--PGGNTVYL 52
QY 61 QVVAAGSRDGAALYVFSEFNRYLFCNGEGVQVLMQEHKLKVARLDNIPLTRMHWNVGG 120
DB 53 QVVAAGRDAGALYVFSEYNRYLFCNGEGVQVLMQEHKTESLSDNIPLTRMHWNVGG 112
QY 121 LSGMILTLETGTPKCVLGGPPOLEKYLEAIFSGPLKGIELAVRPHSAPEYDETMV 180
DB 113 LCGMILTLETGTPKCVLGGPPOLEKYLEAIFSGPLKGIELAVRPHSAPEYDETMV 172
QY 181 YQPIHSEQRGKHQWQSPERPLSLSPERSDSSENEPHLPHGVRSRGV-RDSSL 239
DB 173 YQPIHSERCGQKQSPRSPNLSPKQSDSGSAEN-----GQCQESMGQGPSL 226
QY 240 VVAFICKLHLKGNFLVLKAKEMGLPVGTAAIAPITAAVKDGKSI THEGREILABELCTP 299
DB 227 VVAFVCKLHLKGNFLVLKAKELGLPVGTAAIAPITAAVKDGKSI THEGREILABELCTP 286
QY 300 PDGAAAFVVECPDESFIQPIENATFORQKADAPVALVVMAPASVLVDSRYQQWME 359
DB 287 PDGLVFIIVVECPDEGFILPICENDTFKRYQAEADAPVALVWHIAPESVLIDSRVQQWME 346
QY 360 RFQPDQHLVLNENCAVSNLRSHKIQTLNLIHPDIFPLTSPRCKKEGPTLSVPMVQG 419
DB 347 RFQPDQHLVLNENCAVSNLRSHKIQTLNLIHPDIFPLTSPRCKKEGPTLSVPMVQG 406
QY 420 ECLLYKQLPRREWQDAILTCNPEEFIVEALQLPNFQSQVQRYRSADGPPAPAEKRSQ 479
DB 407 ECLLYKSVRKPKEWQDAILTCNPEEFIAELPESFQESVEEYRKNVQENPAPAEKRSQ 466
QY 480 YPIIIFLTGSAIPMKIRNVSAITLVNISPDTSLLLDCGEGTFCQLCRHVGQDVRVLGTL 539
DB 467 YPIIVFLGTGSAIPMEIRNVSVTLNLSPKSVLLDCGEGTFCQLCRHVGQDVRVLGTL 526
QY 540 AAVFVSHLHADHTGLPSILLQREALASLGRPLHLLVAPNQLKAWLQQYHNCQEVYL 599
DB 527 TAVFVSHLHADHTGLNLLNQLQREHALASLGRFPQLLVAPTQLRAWLQQYHNCQEVYL 586
QY 600 HHISMIIPAKCLOQGAIBISSPAVERLISLLRTCDLEEFQTCILVRCKHAFGALVHTSGW 659
DB 587 HHVSMIPAKCLOQGAIBSVNTTLERLISLLETCDLEEFQTCILVRCKHAFGALVHTSGW 646
QY 660 KVVYSGDTMPCEALVVMGKDATLLIHEATLEDGLBEEAVEKTHSTTSQAISVGMEMNAEF 719
DB 647 KVVYSGDTMPCEALVVMGKDATLLIHEATLEDGLBEEAVEKTHSTTSQAISVGMEMNAEF 706
QY 720 IMLNHSQRYAKVPLSFNFSKVGVAIPHMKVCGDPTPKLIPPLKALFAGDIEEME 779
DB 707 IMLNHSQRYXKIPUFPDFNFKVGVAIPHMKVCGDPTPKLIPPLKALFAGDIEEME 766
QY 780 ERREKRELQVRAALLTQ-ADSPEDREBPQKRAHTEE---PQAKK 822
DB 767 ERREKRELQVRAALLTQ-ADSPEDREBPQKRAHTEHPSQSK 811
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RESULT 12

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US-09-988-687-222
; Sequence 222, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
```

```
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 222
; LENGTH: 822
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-988-687-222

Query Match      80.3%; Score 3473.5; DB 10; Length 822;
Best Local Similarity 80.5%; Pred. No. 0;
Matches 665; Conservative 66; Mismatches 76; Indels 19; Gaps 6;

QY 1 MWALCSLLRGAAGRTWSQGRRTISQAPARRPRPKDPLRLHRTREKRGSGCGGNTVYL 60
DB 1 MWALRLLRPLGLRTWSQ-----SARRPRPKDPLRLHRTREKRGPG--PGGNTVYL 52
QY 61 QVVAAGSRDGAALYVFSEFNRYLFCNGEGVQVLMQEHKLKVARLDNIPLTRMHWNVGG 120
DB 53 QVVAAGRDAGALYVFSEYNRYLFCNGEGVQVLMQEHKTESLSDNIPLTRMHWNVGG 112
QY 121 LSGMILTLETGTPKCVLGGPPOLEKYLEAIFSGPLKGIELAVRPHSAPEYDETMV 180
DB 113 LCGMILTLETGTPKCVLGGPPOLEKYLEAIFSGPLKGIELAVRPHSAPEYDETMV 172
QY 181 YQPIHSEQRGKHQWQSPERPLSLSPERSDSSENEPHLPHGVRSRGV-RDSSL 239
DB 173 YQPIHSERCGQKQSPRSPNLSPKQSDSGSAEN-----GQCQESMGQGPSL 226
QY 240 VVAFICKLHLKGNFLVLKAKEMGLPVGTAAIAPITAAVKDGKSI THEGREILABELCTP 299
DB 227 VVAFVCKLHLKGNFLVLKAKELGLPVGTAAIAPITAAVKDGKSI THEGREILABELCTP 286
QY 300 PDGAAAFVVECPDESFIQPIENATFORQKADAPVALVVMAPASVLVDSRYQQWME 359
DB 287 PDGLVFIIVVECPDEGFILPICENDTFKRYQAEADAPVALVWHIAPESVLIDSRVQQWME 346
QY 360 RFQPDQHLVLNENCAVSNLRSHKIQTLNLIHPDIFPLTSPRCKKEGPTLSVPMVQG 419
DB 347 RFQPDQHLVLNENCAVSNLRSHKIQTLNLIHPDIFPLTSPRCKKEGPTLSVPMVQG 406
QY 420 ECLLYKQLPRREWQDAILTCNPEEFIVEALQLPNFQSQVQRYRSADGPPAPAEKRSQ 479
DB 407 ECLLYKSVRKPKEWQDAILTCNPEEFIAELPESFQESVEEYRKNVQENPAPAEKRSQ 466
QY 480 YPIIIFLTGSAIPMKIRNVSAITLVNISPDTSLLLDCGEGTFCQLCRHVGQDVRVLGTL 539
DB 467 YPIIVFLGTGSAIPMEIRNVSVTLNLSPKSVLLDCGEGTFCQLCRHVGQDVRVLGTL 526
QY 540 AAVFVSHLHADHTGLPSILLQREALASLGRPLHLLVAPNQLKAWLQQYHNCQEVYL 599
DB 527 TAVFVSHLHADHTGLNLLNQLQREHALASLGRFPQLLVAPTQLRAWLQQYHNCQEVYL 586
QY 600 HHISMIIPAKCLOQGAIBISSPAVERLISLLRTCDLEEFQTCILVRCKHAFGALVHTSGW 659
DB 587 HHVSMIPAKCLOQGAIBSVNTTLERLISLLETCDLEEFQTCILVRCKHAFGALVHTSGW 646
QY 660 KVVYSGDTMPCEALVVMGKDATLLIHEATLEDGLBEEAVEKTHSTTSQAISVGMEMNAEF 719
DB 647 KVVYSGDTMPCEALVVMGKDATLLIHEATLEDGLBEEAVEKTHSTTSQAISVGMEMNAEF 706
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Qy	720	IMLNHFSQRYAKVPLPSNFSEKVGAFADHKMKVCFGDFPTMPKLIPLKALFAGDIEEME	779
Db	707	IMLNHFSQRYKKIPLPSDFNEKVGIAFDHKMKVFGDFPTVPKLIPLKALFAGDIEEMV	766
Qy	780	ERREKRELROVRAALLSRELAGLEDGEPOOKRAHTEE---POAKK	822
Db	767	ERREKRELRYAALLTQQ-ADSPEDREPQKGRAHTEPHSPQSKK	811

RESULT 13
 US-09-988-686-222
 ; Sequence 222, Application US/09988686
 ; Publication No. US20030120052A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Iavtvgian, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 ; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09988,686
 ; CURRENT FILING DATE: 2001-11-20
 ; PRIORITY APPLICATION NUMBER: 09/564,805
 ; PRIORITY FILING DATE: 2000-05-05
 ; PRIORITY APPLICATION NUMBER: US 60/107,468
 ; PRIORITY FILING DATE: 1998-11-06
 ; PRIORITY APPLICATION NUMBER: 09/434,382
 ; PRIORITY FILING DATE: 1999-11-05
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 222
 ; LENGTH: 822
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-09-988-686-222

Qy	1	MWALCSLLSAAAGRTMSQORTISQAPARREPRDKPLHLATREKRPSCSGGPNVTYL	60
Db	1	MWALRSLRLPLGLRTMSQ-----SARRPPPKPLHLATREKRPFG--PGGPNVTYL	52
Qy	61	QVVAAGSRDSGAALVVFSESNRYLFCNCEGVQRLMQEHLKVAELDNI FLTRHWSNVGG	120
Db	53	QVVAAGCRDGAALVVFSESNRYLFCNCEGVQRLMQEHLKTESRLDNI FLTRHWSNVGG	112
Qy	121	LSGMILTLKETGLPKCVISGPPQLEKYLEAKIFSGPLKGLIELAVRPHSPAVEDETMV	180
Db	113	LCGMILTLKETGLPKCVISGPPQLEKYLEAKIFSGPLKGLIELAVRPHSPAYEKDETMV	172
Qy	181	YQPIHSEQRGKHQWQSPERPLRLSPRSSDSESNENEPHLPHGVSORRGV-RDSSL	239
Db	173	YQPIHSEKRCQKQSQSPRTSPNRLPKQSSDSSGSAEN-----GQCQESMGQGPSL	226
Qy	240	VVAFICKLHLKRGNFVLVLRKAKEMGFLVGTAAIAPITIAAVDKGKISITHEGREILAEELCTP	299
Db	227	VVAFVCKLHLKGNFVLVLRKAKELGLPVGTAAIAPITIAAVDKGKITVEGREIAAEELCTP	286
Qy	300	PDGGAFAVVVECDPDESFIOPICENATFORYOQKADAPVALVYVHMAPASVLVDSRYQQWME	359
Db	287	PDGGLVFI VVECDPEGFI LPI CENDTFKRYQAEADAPVALVWHIAPESVLDSRYQQWME	346
Qy	360	RFPGDPTOHLVLINENCASVHNLASHKIQTLQNLIIHPDIFPLLTSPFCCKEPTLSVPNVQG	419
Db	347	RFPGDPTOHLVLINENCSPVHNLASHKIQTLQNLIIHPDIFPQLTSFVSKKEGSTLSVPTVRG	406
Qy	420	ECULKYOLRRERQWQDAIITCNPEEFIVLEALQLNFQCSQVQETRRQAQDGPAPAEKRSQ	479
Db	407	ECILKTSVPRKRWQDITLDCNDFEITAEALLESFQESVEEYRKKNVOENPAEAKRSQ	466

Query Match 80.3%; Score 3473.5; DB 10; Length 822;
 Best Local Similarity 80.5%; Pred. No. 0;
 Matches 665; Conservative 66; Mismatches 76; Indels 19; Gaps 6

Qy	480	YPIIIFLGTGSAIPMKIRVNSATLVNISP	PTSLILDCGEGTFCGLCEHYGDOYDVLGTL	539
Db	467	YPIVIFLGTGSAIPMEIRVNSSTLVNLP	SPDKSVLLDCGEGTFCGLCEHYGQOQIDRVLC	526
Qy	540	AAVFSVSHLHADHTGLPSILLOERALLAS	LGKPLHPLLVVAPNQLKAWLQQYHNQCQEV	599
Db	527	TAVFVSHLHADHTGLTNILLOREHALAS	LGKFPQLLVVAPTQLRAWLQQYHNHCQEIL	586
Qy	600	HHISMTIPAKCLOGBAEISSPAVERLIS	SSLRTCDLEEFQCLVRHCKHAFGCALVHTSG	659
Db	587	HHVSMIPAKCLOGBAEVSNSTLERLISL	LETCDLEEFQCLVRHCKHAFGCALVHSSGW	646
Qy	660	KVYVSGDTPCEALVRMGKDATILLIHEAT	LEDGLGEEAEVETKSTTSQAISVGMNNAEF	719
Db	647	KVYVSGDTPCEALVQMGKDATILLIHEAT	LEDXLGEEAEVETKSTTSQAINVGMNNAEF	706
Qy	720	IMLNHFSQRYAKVPLSPNFSKVGVAFDH	KVCYFGDFTPMKPLIPKALFAGDIEEME	779
Db	707	IMLNHFSQRYKKIPLFSPDNFKVGFADH	KVXFGDFTVPKPLIPKALFAGDIEEMV	766
Qy	780	ERREKRELROVRAALLSRELAGGLEDP	GEPOOKRAHTEE---POAKK	822
Db	767	ERREKRELRLVRAALLTQO-ADSPED	REPOOKRAHTDEPHSPQSKK	811
RESULT 14				
US-09-988-626-228				
; Sequence 228, Application US/09988626				
; Publication No. US20030044959A1				
; GENERAL INFORMATION:				
; APPLICANT: Tavtigian, Sean V.				
; APPLICANT: Teng, David H.F.				
; APPLICANT: Simard, Jacques				
; APPLICANT: Rommens, Johanna M.				
; APPLICANT: Myriad Genetics, Inc.				
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility				
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes				
; FILE REFERENCE: 2318-258				
; CURRENT APPLICATION NUMBER: US/09/988,626				
; CURRENT FILING DATE: 2001-11-20				
; PRIOR APPLICATION NUMBER: 09/564,805				
; PRIOR FILING DATE: 2000-05-05				
; PRIOR APPLICATION NUMBER: US 60/107,468				
; PRIOR FILING DATE: 1998-11-06				
; PRIOR APPLICATION NUMBER: 09/434,382				
; PRIOR FILING DATE: 1999-11-05				
; NUMBER OF SEQ ID NOS: 240				
; SOFTWARE: PatentIn Ver. 2.0				
; SEQ ID NO 228				
; LENGTH: 837				
; TYPE: PRT				
; ORGANISM: Arabidopsis thaliana				
US-09-988-626-228				
Query Match 20.2%; Score 875.5; DB 10; Length 837;				
Best Local Similarity 23.4%; Pred. No. 1.1e-74;				
Matches 250; Conservative 128; Mismatches 297; Indels 175; Gaps 28				
Qy	41	RTREKRGSGCGGPNTV-YLQVVAAG--SR	DGAAALVVFSEFNRYLFCNCGEVORLMQE	97
Db	39	RKSQKLNPT-----NTIAYAQILGTG	MDTQDTSSVLLFPDKQRFINAGEGLORFCTE	92
Qy	98	HKLKVARLDNTFLTRMHWSNVGGISGMIL	TLTK---ETGLPKCVYSGPPQLSKYLEAIKIF	154
Db	93	HKIKLSKIDHVLFSKVCSETAGGLPGLLI	TLTAGICEGLSVNVW-GPSDLNLYLVDAMKSF	151
Qy	155	SGPLKGIEL-AVRPHSAPE----	YEDEMVTYVQI---PIHSEQRGKHQPMQSPERPLSR	206
Db	152	IPRAAMVHTRFGFSSTPDPVLVNDENV	VKVLSAILKPECHSE-----	194
Qy	207	LSPERSDSSENEPHELPHGVQSRRGV	SDSSLVVAFICKLHKKGNFLVTKAKEM-GLP	265

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Db 195 -----DS-----GNKSGDLSVVVVCVCELPILGKFDLEKAKKVFYK 230
QY 266 VGTAAIAPIIAAVKGKSIITHEGREILA--EELCTPPDGAAPVVECPDESFIQPICN 323
Db 231 PG-----PKYSRLOSSESVDKSDERTIVHPSDVWGSLPGPIVLLVDCPTESHAELFSL 285
QY 324 ATFORVOKADAP-----VALVVMAPASVLVDSRYQQMMERFGPDQHLV----- 369
Db 286 KSLESYSSPDEQITGAKFVNCIIHLSPTSVTSPTYSQWKKFHL--TQHILAGHQRFPL 344
QY 370 -----LNENCSAVHNLRSKHTQTLNLHPDI FPLLTFRCKEKGPTLSVPMVQ 419
Db 345 LLIIVSHQKTVRNKMAFPILKASSIAARLNYLCPOFFPAGFWPMSQLTNSIIDTPSN 404
QY 420 ECLLKQYLRP--RREWORDAIITCNPEEFIVEAL--QLPNFOOSVOEYR--SAQDGPAP 473
Db 405 ----KFNLRPVAIRGIDRSCIPAPLTSSEVVDELLSEIPEIKDKSEEIKQFNKQHNKTI 460
QY 474 AEK-----RSQYPEIIFLGTSALPMKIRNVSATLVNISPDTSLLDC 516
Db 461 IEKMLSECNTVLPNCLEKIRDDMEIVILGTSSQPSKYRNVSAIFIDLFRGSLLLDC 520
QY 517 GEGTFGLCRHYG--DOVDRVLGTLAAVVFVSHLHADHTGLPSILLQERALASLGKPLHP 575
Db 521 GEGTLGQLKERYGLDGADEAVRKLRCIWIHSHIHADHTGLARILALRSKLLK--GVYTHP 578
QY 576 LLVAPNQLKAMLQQYHNCQOEVLHHISMIAPKC-----LOEGABI-----SS 618
Db 579 VIVVGRPLKRFDAYQR-----LEDLMEFLDCRSTTATSWASLESAGEAGSLFTQGS 633
QY 619 PAVE-----RLISSLLRTCDLEBFOTCLVRHCKHAFGCALVHTS--- 657
Db 634 PQMSVFKRSDISMNDSVLLCLXNLKVLSEIGLNDLISFPVHCPQAGVVIKAAERNV 693
QY 658 -----GMKVYSGDTPMCEALVRMGKDATLLIHEATLEDGLEBEAEVKTSTTSQAIS 710
Db 694 SVGEQILGWKMYSGDSRCPETVEASRDATILIEATPEDALIEALAKNHSHTTKEAID 753
QY 711 VGMEMNAEFTMLNHFORSORYAKVPLFSNPFSEKVGVAFDHMKVCFGDFPTMPKLIPLKAL 770
Db 754 VGSAAVYRIVLTHFSQRYKPIVIDESHMNTCIAFDLMSINMADLHVLPKVLFPFKTL 813
QY 771 FAGDIEEMEE 780
Db 814 FRDEMVEDED 823

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RESULT 15

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US-09-988-687-228
; Sequence 228, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988, 687
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564, 805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 228
; LENGTH: 837
; TYPE: PRT

```

```

; ORGANISM: Arabidopsis thaliana
US-09-988-687-228

Query Match      20.2%; Score 875.5; DB 10; Length 837;
Best Local Similarity 29.4%; Pred. No. 1.1e-74;
Matches 250; Conservative 128; Mismatches 297; Indels 175; Gaps 28;

QY 41 RTRKRGPSGSGGPNV-YLQVVAAG--SRDGAALYVFSEFNRYLFNCGEGVQRLMQE 97
Db 39 RKSQKLAFT-----NIIAYAILGTGMDTODTSSVLLFFDKORFIYNAGEGLQRFCTE 92
QY 98 HKLKVARDNIFLTRMWSNVGSLGSMILTK---ETGLPKCVLSGPPQLEKYLEAIKIF 154
Db 93 HKIKSLKIDHVFISVCSGSETAGGLPGLLLTLAGIEGLSVNYM--GPSDLNLYLVDAMKSF 151
QY 155 SGPLKGIEL-AVRPHSAPE----YEDETMTVYQI---PIHSEQRGKHQWQSPERPLSR 206
Db 152 IPRAAMVHTRSPGSPSTPDPVILVNDENVKISAILKPCHEE----- 194
QY 207 LSPERSDSESNENEPHPLHGVSGQRGRVDSLVAFICKLHLKRGNFVLVKAKEM--GLP 265
Db 195 -----DS-----GNKSGDLSVVVVCVCELPILGKFDLEKAKKVFYK 230
QY 266 VGTAAIAPIIAAVKGKSIITHEGREILA--EELCTPPDGAAPVVECPDESFIQPICN 323
Db 231 PG-----PKYSRLOSSESVDKSDERTIVHPSDVWGSLPGPIVLLVDCPTESHAELFSL 285
QY 324 ATFORVOKADAP-----VALVVMAPASVLVDSRYQQMMERFGPDQHLV----- 369
Db 286 KSLESYSSPDEQITGAKFVNCIIHLSPTSVTSPTYSQWKKFHL--TQHILAGHQRFPL 344
QY 370 -----LNENCSAVHNLRSKHTQTLNLHPDI FPLLTFRCKEKGPTLSVPMVQ 419
Db 345 LLIIVSHQKTVRNKMAFPILKASSIAARLNYLCPOFFPAGFWPMSQLTNSIIDTPSN 404
QY 420 ECLLKQYLRP--RREWORDAIITCNPEEFIVEAL--QLPNFOOSVOEYR--SAQDGPAP 473
Db 405 ----KFNLRPVAIRGIDRSCIPAPLTSSEVVDELLSEIPEIKDKSEEIKQFNKQHNKTI 460
QY 474 AEK-----RSQYPEIIFLGTSALPMKIRNVSATLVNISPDTSLLDC 516
Db 461 IEKMLSECNTVLPNCLEKIRDDMEIVILGTSSQPSKYRNVSAIFIDLFRGSLLLDC 520
QY 517 GEGTFGLCRHYG--DOVDRVLGTLAAVVFVSHLHADHTGLPSILLQERALASLGKPLHP 575
Db 521 GEGTLGQLKERYGLDGADEAVRKLRCIWIHSHIHADHTGLARILALRSKLLK--GVYTHP 578
QY 576 LLVAPNQLKAMLQQYHNCQOEVLHHISMIAPKC-----LOEGABI-----SS 618
Db 579 VIVVGRPLKRFDAYQR-----LEDLMEFLDCRSTTATSWASLESAGEAGSLFTQGS 633
QY 619 PAVE-----RLISSLLRTCDLEBFOTCLVRHCKHAFGCALVHTS--- 657
Db 634 PQMSVFKRSDISMNDSVLLCLXNLKVLSEIGLNDLISFPVHCPQAGVVIKAAERNV 693
QY 658 -----GMKVYSGDTPMCEALVRMGKDATLLIHEATLEDGLEBEAEVKTSTTSQAIS 710
Db 694 SVGEQILGWKMYSGDSRCPETVEASRDATILIEATPEDALIEALAKNHSHTTKEAID 753
QY 711 VGMEMNAEFTMLNHFORSORYAKVPLFSNPFSEKVGVAFDHMKVCFGDFPTMPKLIPLKAL 770
Db 754 VGSAAVYRIVLTHFSQRYKPIVIDESHMNTCIAFDLMSINMADLHVLPKVLFPFKTL 813
QY 771 FAGDIEEMEE 780
Db 814 FRDEMVEDED 823

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Search completed: July 28, 2004, 14:43:25
Job time : 53 secs